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## 1998 Winter Wheat Budgets for South Dakota

Department of Economics  
*South Dakota State University*

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August, 1997

1998  
Winter Wheat Budgets  
for South Dakota



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# TABLE OF CONTENTS

|  | Page |
|--|------|
| Northwest, Winter Wheat                        |      |
| Mechanical Fallow . . . . .                    | 1    |
| Chemical Fallow, No Till . . . . .             | 3    |
| Continuous Crop, No Till . . . . .             | 5    |
| West Central, Winter Wheat                     |      |
| Mechanical Fallow . . . . .                    | 7    |
| Chemical Fallow, No Till . . . . .             | 9    |
| Continuous Crop, No Till . . . . .             | 11   |
| Southwest, Winter Wheat                        |      |
| Mechanical Fallow . . . . .                    | 13   |
| Chemical Fallow, No Till . . . . .             | 15   |
| Continuous Crop, No Till . . . . .             | 17   |
| North Central, Winter Wheat                    |      |
| Mechanical Fallow . . . . .                    | 19   |
| Chemical Fallow, No Till . . . . .             | 21   |
| Continuous Crop . . . . .                      | 23   |
| Central, Winter Wheat                          |      |
| Mechanical Fallow . . . . .                    | 25   |
| Chemical Fallow, No Till . . . . .             | 27   |
| Continuous Crop . . . . .                      | 29   |
| South Central, Winter Wheat                    |      |
| Mechanical Fallow . . . . .                    | 31   |
| Chemical Fallow, No Till . . . . .             | 33   |
| Continuous Crop, No Till . . . . .             | 35   |
| Northeast, Winter Wheat                        |      |
| Continuous Crop . . . . .                      | 37   |
| East Central, Winter Wheat                     |      |
| Continuous Crop . . . . .                      | 39   |
| Southeast, Winter Wheat                        |      |
| Continuous Crop . . . . .                      | 41   |
| Mechanical Fallow after Winter Wheat . . . . . | 43   |
| Chemical Fallow after Winter Wheat . . . . .   | 45   |



## **1998 WINTER WHEAT BUDGETS**

These budgets are intended for use in planning only. Yields and prices may vary significantly from one farm to the next. The user should adjust amounts and prices to fit his/her specific operation.

The format of this fall's winter wheat budgets consists of three tables: (1) a table of field operations, (2) a table of purchased inputs, and (3) a table of costs and returns.

The table of field operations lists each field operation by date and provides cost data on each field operation along with associated purchased inputs. The ownership column includes the fixed costs associated with ownership, such as storage, depreciation, interest, and insurance. The operating cost column includes fuel, lubricants, and repair. It does not include interest on these items. The summary at the bottom of this table states the total machinery cost, including fuel and labor. The inputs cost sum includes purchased items, such as seed, fertilizer and custom hired operations. Other costs, such as land costs, management and interest on operating capital, are not included here, but are listed in the table of costs and returns.

The material usage report is a summary of purchased inputs and their costs for easy review. Fertilizer usage is based on nutrients removed by the crop. Actual application should be based on soil test results and expected yields.

The costs and returns table includes other costs such as land, interest on operating capital, drying costs and management fees, and subtracts them from expected revenues, showing expected net profit or loss. Gross sales is based on an expected sale price of \$3.50 per bushel. This value may be quite different by harvest time next year and the user should use his/her best estimate based on her/his outlook and marketing methods. If the operator has any additional sales, such as the sale of straw, the net profit of such sales should be included at the bottom of this table.

A custom application of parathion is listed in all budgets. This is a rescue treatment and is assumed to be necessary on only about 1/5 of the acreage, so only 1/5 of an acre is treated in these budgets.

Cost and prices used in these budgets:

|                               |                        |
|-------------------------------|------------------------|
| Sale price of wheat           | \$3.75 per bushel      |
| Diesel                        | \$0.82 per gallon      |
| Management                    | 5.0% of sales          |
| Interest on operating capital | 10.0%                  |
| Interest on machinery         | 9.5%                   |
| Interest on land              | 8.0%                   |
| Taxes on land                 | 2.0% of assessed value |

Machinery costs are based on a University of Minnesota study of average purchase price of farm machinery, 1997.

These budgets are organized by crop reporting district. The western and central districts have 3 budgets each: mechanical fallow, chemical fallow, and no till continuous cropped, except the north central which has a conventional till continuous crop budget. The eastern districts have only conventional tilled, continuous cropped budgets.

#### Comparison with 1997 Costs

Wheat production costs are expected to increase again this year because of higher land and machine costs. Cost per bushel of production will increase 2 to 29 cents per bushel, with the biggest increases in the east and the smallest in the west. Cost per acre vary from a low of \$88.89 for no till continuous crop in the northwest to a high of \$195.52 for chemical fallow in central SD. Costs per bushel range from a low of \$3.04 to a high of \$4.54.

Material costs per acre and per bushel of production are down slightly (about 1.7 cents per bushel), due to lower fertilizer costs.

Land costs vary from 1.6% lower in the northwest to 14% higher in the east central. This translates to 1.6 cents per bushel lower to nearly 24 cents per bushel higher.

Machinery costs are up 3.4 to 8.8 cents per bushel of production, depending on the technology used. Chemical fallow, on average, is up the most. Part of the higher costs is due to a change in the method of calculating repair costs. Repair costs were calculated this year by using the long-run average repair cost per hour of use. In the past, repair costs were based on the expected cash repair costs of two year old equipment. This understated the repair costs over the life of the equipment.

These budgets were developed using the CARE (Cost And Returns Estimator) computer program. This is a public domain program and is available from the Cooperative Extension Service and the Natural Resource Conservation Service (NRCS) free of charge. The data bases for these budgets are also available for easy modification by the user. CARE operates on IBM compatible computers. For additional information, contact Don Peterson, Economics Department, SDSU, Box 504, Brookings, SD 57007-0895, phone 605/688-4859.

Any comments to improve the accuracy or usefulness of these budgets will be appreciated.

Donald Peterson  
Extension Economist  
Economics Department

August 1997

Budget - NW WW MECH FALLOW, 35.00 Bushels of Wheat, Winter  
 Land is 1 acres of NWSD w/SFallow at Owned, field cult+chis Tillage  
 No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
 Prepared for Planning Purposes Only.

# Detailed Operations Cost

| Date                       | Machinery Or Input        | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------------------------|---------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96                   | Tractor 250 hp 4Wd,heavy  | 0.1 Hrs(1.0 Times) | 0.83           | 1.02           | 0.84  | 2.69           | 2.69          | 0.077            |
|                            | Chisel Plow, 31'          |                    | 1.27           | 0.45           | 0.06  | 1.78           | 1.78          | 0.051            |
| 09/15/96                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.032            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.019            |
| 05/20/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.032            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.019            |
| 06/15/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.032            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.019            |
| 07/01/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.032            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.019            |
| 08/10/97                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.027            |
|                            | Rent Fert. Sprd. 40 Ft. & |                    | 0.00           | 1.68           | 0.04  | 1.72           | 1.72          | 0.049            |
|                            | Nitrogen Liquid act.      | 56.0 Pounds        |                |                |       | 16.40          | 16.40         | 0.469            |
|                            | Phosphorous, Dry a.       | 20.0 Pounds        |                |                |       | 5.78           | 5.78          | 0.165            |
| 08/15/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.032            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.019            |
| 09/01/97                   | Tractor 250 hp 4Wd,heavy  | 0.1 Hrs(1.0 Times) | 0.73           | 0.91           | 0.75  | 2.38           | 2.38          | 0.068            |
|                            | Grain Drill Press Wheel 4 |                    | 3.29           | 1.43           | 0.05  | 4.77           | 4.77          | 0.136            |
|                            | Seed, Certified, WW       | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.178            |
| 05/01/98                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.19           | 0.17           | 0.46  | 0.81           | 0.81          | 0.023            |
|                            | Sprayer Pull Type, 50'    |                    | 0.24           | 0.09           | 0.03  | 0.36           | 0.36          | 0.010            |
|                            | 2,4-D 3.8E                | 0.8 Pints          |                |                |       | 1.39           | 1.39          | 0.040            |
| 06/15/98                   | Custom Spraying           | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Aerial Spraying           | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.021            |
|                            | Parathion                 | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.007            |
| 07/01/98                   | Custom Combine, \$15/ac.  | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Custom Combine Wheat      | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.457            |
|                            | Trucking, \$0.15/bu       | 35.0 Bushels       |                |                |       | 5.25           | 5.25          | 0.150            |
| TOTAL Machinery Cost ..... |                           |                    |                |                |       | 24.45          | 24.45         | 0.698            |
| TOTAL Input Cost .....     |                           |                    |                |                |       | 52.06          | 52.06         | 1.487            |
| TOTAL Budget Cost .....    |                           |                    |                |                |       | 76.51          | 76.51         | 2.186            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen Liquid act. | Pounds  | 56.00    | 16.40       | 16.40 0.469                   |
| Phosphorous, Dry a.  | Pounds  | 20.00    | 5.78        | 5.78 0.165                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.178                    |
| 2,4-D 3.8E           | Pints   | 0.75     | 1.39        | 1.39 0.040                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.021                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.007                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.457                   |
| Trucking, \$0.15/bu  | Bushels | 35.00    | 5.25        | 5.25 0.150                    |
| Material Cost Total  |         |          | 52.06       | 52.06 1.487                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.38     | 4.33        | 4.33 0.124                    |
| Other Labor          | Hours   | 0.03     | 0.31        | 0.31 0.009                    |
| Labor Cost Total     |         |          | 4.64        | 4.64 0.133                    |
| Fuels Used, Diesel   | Gallons | 3.11     | 2.55        | 2.55 0.073                    |

Cost Cost

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 122.50   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 122.50 | 122.50             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 10.65    |        | 10.65              | 0.304              |
| 2.2 Operating Cost       | 6.60     |        | 6.60               | 0.189              |
| 2.3 Total Machinery Cost |          | 17.25  | 17.25              | 0.493              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 52.06    |        | 52.06              | 1.487              |
| 3.2 Fuel Cost            | 2.55     |        | 2.55               | 0.073              |
| 3.3 Labor Wages          | 4.64     |        | 4.64               | 0.133              |
| 3.4 Total Materials Cost |          | 59.25  | 59.25              | 1.693              |
| 4. Capital Costs         |          | 5.01   | 5.01               | 0.143              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 37.60  | 37.60              | 1.074              |
| 7. Management Fees       |          | 6.13   | 6.13               | 0.175              |
| Gross Revenues           |          | 122.50 | 122.50             | 3.50               |
| Total Costs              |          | 125.24 | 125.24             | 3.58               |
| Net Profit or Loss       |          | -2.74  | -2.74              | -0.08              |

Budget - NW WW CHEM FALLOW, NO TILL, 37.00 Bushels of Wheat, Winter  
Land is 1 acres of NWSD w/SFallow at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

# Detailed Operations Cost

| Date                       | Machinery Or Input                             | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------------------------|--|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.024            |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                  | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.113            |
|                            | 2,4-D 5.7E                                     | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.035            |
|                            | Ammonium Sulfate                               | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 09/15/96                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.024            |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                  | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.057            |
|                            | 2,4-D 5.7E                                     | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.021            |
|                            | Ammonium Sulfate                               | 0.5 Pounds         |                |                |       | 0.10           | 0.10          | 0.003            |
| 06/01/97                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.024            |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                  | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.113            |
|                            | 2,4-D 5.7E                                     | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.035            |
|                            | Ammonium Sulfate                               | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 07/15/97                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.024            |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                  | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.057            |
|                            | 2,4-D 5.7E                                     | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.021            |
|                            | Ammonium Sulfate                               | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.002            |
| 08/15/97                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.024            |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                  | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.113            |
|                            | 2,4-D 3.8L Amine                               | 0.5 Pints          |                |                |       | 0.79           | 0.79          | 0.021            |
|                            | Ammonium Sulfate                               | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 09/01/97                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.025            |
|                            | Fertilizer Sprd. 40 Ft. & Nitrogen, Dry (act.) | 60.0 Pounds        | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.038            |
|                            | Phosphorous, Dry a.                            | 21.0 Pounds        |                |                |       | 15.96          | 15.96         | 0.431            |
| 09/15/97                   | Tractor 190 hp                                 | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 3.65           | 3.65          | 0.099            |
|                            | No-Till Drill, 30'                             |                    | 3.97           | 2.06           | 0.07  | 6.10           | 6.10          | 0.165            |
|                            | Seed, Certified, WW                            | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.169            |
| 05/01/98                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.024            |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | 2,4-D 5.7E                                     | 0.8 Pints          |                |                |       | 2.06           | 2.06          | 0.056            |
| 06/15/98                   | Custom Spraying                                | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Aerial Spraying                                | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.020            |
|                            | Parathion                                      | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.007            |
| 07/01/98                   | Custom Combine, \$15/ac.                       | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Custom Combine Wheat                           | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.432            |
|                            | Trucking, \$0.15/bu                            | 37.0 Bushels       |                |                |       | 5.55           | 5.55          | 0.150            |
| TOTAL Machinery Cost ..... |  |                    |                |                |       | 19.65          | 19.65         | 0.531            |
| TOTAL Input Cost .....     |  |                    |                |                |       | 75.32          | 75.32         | 2.036            |
| TOTAL Budget Cost .....    |  |                    |                |                |       | 94.97          | 94.97         | 2.567            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Roundup RT 3L        | Pints   | 3.20     | 16.77       | 16.77 0.419                   |
| 2,4-D 5.7E           | Pints   | 2.40     | 6.19        | 6.19 0.155                    |
| Ammonium Sulfate     | Pounds  | 3.80     | 0.76        | 0.76 0.019                    |
| 2,4-D 3.8L Amine     | Pints   | 0.50     | 0.79        | 0.79 0.020                    |
| Nitrogen, Dry (act.) | Pounds  | 64.00    | 17.02       | 17.02 0.426                   |
| Phosphorous, Dry a.  | Pounds  | 22.00    | 6.36        | 6.36 0.159                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.156                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.019                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.006                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.400                   |
| Trucking, \$0.15/bu  | Bushels | 40.00    | 6.00        | 6.00 0.150                    |
| Material Cost Total  |         |          | 77.13       | 77.13 1.928                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.39     | 4.49        | 4.49 0.112                    |
| Other Labor          | Hours   | 0.04     | 0.32        | 0.32 0.008                    |
| Labor Cost Total     |         |          | 4.81        | 4.81 0.120                    |
| Fuels Used, Diesel   |         |          |             |                               |
|                      | Gallons | 1.39     | 1.14        | 1.14 0.028                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 140.00   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 140.00 | 140.00             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 9.52     |        | 9.52               | 0.238              |
| 2.2 Operating Cost       | 4.18     |        | 4.18               | 0.104              |
| 2.3 Total Machinery Cost |          | 13.70  | 13.70              | 0.342              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 77.13    |        | 77.13              | 1.928              |
| 3.2 Fuel Cost            | 1.14     |        | 1.14               | 0.028              |
| 3.3 Labor Wages          | 4.81     |        | 4.81               | 0.120              |
| 3.4 Total Materials Cost |          | 83.08  | 83.08              | 2.077              |
| 4. Capital Costs         |          | 7.03   | 7.03               | 0.176              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 82.40  | 82.40              | 2.060              |
| 7. Management Fees       |          | 7.00   | 7.00               | 0.175              |
| Gross Revenues           |          | 140.00 | 140.00             | 3.50               |
| Total Costs              |          | 193.20 | 193.20             | 4.83               |
| Net Profit or Loss       |          | -53.20 | -53.20             | -1.33              |

Budget - NW WW CC, NO TILL, 26.00 Bushels of Wheat, Winter  
Land is 1 acres of Northwest SD at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input         | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|----------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/15/97 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.034            |
|          | Sprayer Pull Type, 50'     |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.015            |
|          | Roundup RT 3L              | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.081            |
|          | 2,4-D 5.7E                 | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.030            |
|          | Ammonium Sulfate           | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.002            |
| 09/01/97 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.036            |
|          | Fertilizer Sprd. 40 Ft. &  |                    | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.054            |
|          | Nitrogen, Dry              | 42.0 Pounds        |                |                |       | 11.17          | 11.17         | 0.430            |
|          | Phosphorous, Dry a.        | 15.0 Pounds        |                |                |       | 4.34           | 4.34          | 0.167            |
| 09/15/97 | Tractor 190 hp             | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 3.65           | 3.65          | 0.140            |
|          | No-Till Drill, 30'         |                    | 3.97           | 2.06           | 0.07  | 6.10           | 6.10          | 0.235            |
|          | Wheat Seed                 | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.240            |
| 05/01/98 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.034            |
|          | Sprayer Pull Type, 50'     |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.015            |
|          | 2,4-D 5.7E                 | 0.8 Pints          |                |                |       | 2.06           | 2.06          | 0.079            |
| 06/15/98 | Custom Spraying            | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Aerial Spraying            | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.029            |
|          | Parathion                  | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.010            |
| 07/01/98 | Custom Combine, \$15/ac.   | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Custom Combine Wheat       | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.615            |
|          | Trucking, \$0.15/bu        | 26.0 Bushels       |                |                |       | 3.90           | 3.90          | 0.150            |
|          | TOTAL Machinery Cost ..... |                    |                |                |       | 14.61          | 14.61         | 0.562            |
|          | TOTAL Input Cost .....     |                    |                |                |       | 47.64          | 47.64         | 1.832            |
|          | TOTAL Budget Cost .....    |                    |                |                |       | 62.25          | 62.25         | 2.394            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Roundup RT 3L        | Pints   | 0.40     | 2.10        | 2.10 0.081                    |
| 2,4-D 5.7E           | Pints   | 1.10     | 2.84        | 2.84 0.109                    |
| Ammonium Sulfate     | Pounds  | 0.30     | 0.06        | 0.06 0.002                    |
| Nitrogen, Dry        | Pounds  | 42.00    | 11.17       | 11.17 0.430                   |
| Phosphorous, Dry a.  | Pounds  | 15.00    | 4.34        | 4.34 0.167                    |
| Wheat Seed           | Pounds  | 52.00    | 6.24        | 6.24 0.240                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.029                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.010                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.615                   |
| Trucking, \$0.15/bu  | Bushels | 26.00    | 3.90        | 3.90 0.150                    |
| Material Cost Total  |         |          | 47.64       | 47.64 1.832                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.22     | 2.52        | 2.52 0.097                    |
| Other Labor          | Hours   | 0.02     | 0.18        | 0.18 0.007                    |
| Labor Cost Total     |         |          | 2.70        | 2.70 0.104                    |
| Fuels Used, Diesel   | Gallons | 0.97     | 0.80        | 0.80 0.031                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|-------|--------------------|--------------------|
| 1. Gross Revenues        |          |       |                    |                    |
| 1.1 Wheat, Winter        | 91.00    |       |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |       |                    |                    |
| 1.3 Total Crop Revenue   |          | 91.00 | 91.00              | 3.500              |
| 2. Machinery Cost        |          |       |                    |                    |
| 2.1 Ownership Cost       | 7.69     |       | 7.69               | 0.296              |
| 2.2 Operating Cost       | 3.43     |       | 3.43               | 0.132              |
| 2.3 Total Machinery Cost |          | 11.12 | 11.12              | 0.428              |
| 3. Materials Cost        |          |       |                    |                    |
| 3.1 Materials            | 47.64    |       | 47.64              | 1.832              |
| 3.2 Fuel Cost            | 0.80     |       | 0.80               | 0.031              |
| 3.3 Labor Wages          | 2.70     |       | 2.70               | 0.104              |
| 3.4 Total Materials Cost |          | 51.13 | 51.13              | 1.967              |
| 4. Capital Costs         |          | 3.29  | 3.29               | 0.127              |
| 5. Drying Costs          |          | 0.00  | 0.00               | 0.000              |
| 6. Land Charges          |          | 18.80 | 18.80              | 0.723              |
| 7. Management Fees       |          | 4.55  | 4.55               | 0.175              |
| Gross Revenues           |          | 91.00 | 91.00              | 3.50               |
| Total Costs              |          | 88.89 | 88.89              | 3.42               |
| Net Profit or Loss       |          | 2.11  | 2.11               | 0.08               |



Budget - WC WW MECH FALLOW, 47.00 Bushels of Wheat, Winter  
Land is 1 acres of WCSD w/SFallow at Owned, field cult+chis Tillage  
No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

# Detailed Operations Cost

| Date                       | Machinery Or Input   | Units Applied                                    | Owner-<br>ship | Oper-<br>ating | Labor        | Total<br>Costs                | Cost/<br>Acre                 | Cost per<br>Unit                 |
|----------------------------|--|--|----------------|----------------|--------------|-------------------------------|-------------------------------|----------------------------------|
| 08/01/96                   | Tractor 250 hp 4Wd,heavy<br>Chisel Plow, 31'   | 0.1 Hrs(1.0 Times)                               | 0.83<br>1.27   | 1.02<br>0.45   | 0.84<br>0.06 | 2.69<br>1.78                  | 2.69<br>1.78                  | 0.057<br>0.038                   |
| 09/15/96                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                                      | 0.0 Hrs(1.0 Times)                               | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68                  | 1.12<br>0.68                  | 0.024<br>0.014                   |
| 05/20/97                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                                      | 0.0 Hrs(1.0 Times)                               | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68                  | 1.12<br>0.68                  | 0.024<br>0.014                   |
| 06/15/97                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                                      | 0.0 Hrs(1.0 Times)                               | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68                  | 1.12<br>0.68                  | 0.024<br>0.014                   |
| 07/01/97                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                                      | 0.0 Hrs(1.0 Times)                               | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68                  | 1.12<br>0.68                  | 0.024<br>0.014                   |
| 08/10/97                   | Tractor 060 hp<br>Rent Fert. Sprd. 40 Ft. &<br>Nitrogen, Dry (act.)<br>Phosphorous, Dry a. | 0.0 Hrs(1.0 Times)<br>75.0 Pounds<br>26.0 Pounds | 0.22<br>0.00   | 0.19<br>1.68   | 0.53<br>0.04 | 0.94<br>1.72<br>19.95<br>7.51 | 0.94<br>1.72<br>19.95<br>7.51 | 0.020<br>0.037<br>0.424<br>0.160 |
| 08/15/97                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                                      | 0.0 Hrs(1.0 Times)                               | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68                  | 1.12<br>0.68                  | 0.024<br>0.014                   |
| 09/01/97                   | Tractor 250 hp 4Wd,heavy<br>Grain Drill Press Wheel 4<br>Seed, Certified, WW               | 0.1 Hrs(1.0 Times)<br>52.0 Pounds                | 0.73<br>0.19   | 0.91<br>0.17   | 0.75<br>0.46 | 2.38<br>6.24<br>0.81          | 2.38<br>6.24<br>0.81          | 0.051<br>0.101<br>0.133          |
| 05/01/98                   | Tractor 060 hp<br>Sprayer Pull Type, 50'<br>2,4-D 3.8E                                     | 0.0 Hrs(1.0 Times)<br>0.8 Pints                  | 0.24<br>0.00   | 0.09<br>0.00   | 0.03<br>0.00 | 0.36<br>1.39<br>0.00          | 0.36<br>1.39<br>0.00          | 0.008<br>0.030<br>0.000          |
| 06/15/98                   | Custom Spraying<br>Aerial Spraying<br>Parathion  | 0.2 Acres<br>0.1 Pounds                          | 0.00           | 0.00           | 0.00         | 0.75<br>0.25<br>0.00          | 0.75<br>0.25<br>0.00          | 0.016<br>0.005<br>0.000          |
| 07/01/98                   | Custom Combine, \$15/ac.<br>Custom Combine Wheat<br>Trucking, \$0.15/bu                    | 0.0 Hrs(1.0 Times)<br>1.0 Acres<br>47.0 Bushels  | 0.00           | 0.00           | 0.00         | 16.00<br>7.05<br>24.45        | 16.00<br>7.05<br>24.45        | 0.340<br>0.150<br>0.520          |
| TOTAL Machinery Cost ..... |  |  |                |                |              | 59.14                         | 59.14                         | 1.258                            |
| TOTAL Input Cost .....     |  |  |                |                |              | 83.59                         | 83.59                         | 1.778                            |
| TOTAL Budget Cost .....    |  |  |                |                |              |                               |                               |                                  |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen, Dry (act.) | Pounds  | 75.00    | 19.95       | 19.95 0.424                   |
| Phosphorous, Dry a.  | Pounds  | 26.00    | 7.51        | 7.51 0.160                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.133                    |
| 2,4-D 3.8E           | Pints   | 0.75     | 1.39        | 1.39 0.030                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.016                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.005                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.340                   |
| Trucking, \$0.15/bu  | Bushels | 47.00    | 7.05        | 7.05 0.150                    |
| Material Cost Total  |         |          | 59.14       | 59.14 1.258                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.38     | 4.33        | 4.33 0.092                    |
| Other Labor          | Hours   | 0.03     | 0.31        | 0.31 0.007                    |
| Labor Cost Total     |         |          | 4.64        | 4.64 0.099                    |
| Fuels Used, Diesel   | Gallons | 3.11     | 2.55        | 2.55 0.054                    |

Cost Cost

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount Per Acre | Amount Per Unit |
|--------------------------|----------|--------|-----------------|-----------------|
| 1. Gross Revenues        |          |        |                 |                 |
| 1.1 Wheat, Winter        | 164.50   |        |                 |                 |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                 |                 |
| 1.3 Total Crop Revenue   |          | 164.50 | 164.50          | 3.500           |
| 2. Machinery Cost        |          |        |                 |                 |
| 2.1 Ownership Cost       | 10.65    |        | 10.65           | 0.227           |
| 2.2 Operating Cost       | 6.60     |        | 6.60            | 0.141           |
| 2.3 Total Machinery Cost |          | 17.25  | 17.25           | 0.367           |
| 3. Materials Cost        |          |        |                 |                 |
| 3.1 Materials            | 59.14    |        | 59.14           | 1.258           |
| 3.2 Fuel Cost            | 2.55     |        | 2.55            | 0.054           |
| 3.3 Labor Wages          | 4.64     |        | 4.64            | 0.099           |
| 3.4 Total Materials Cost |          | 66.34  | 66.34           | 1.411           |
| 4. Capital Costs         |          | 7.58   | 7.58            | 0.161           |
| 5. Drying Costs          |          | 0.00   | 0.00            | 0.000           |
| 6. Land Charges          |          | 43.40  | 43.40           | 0.923           |
| 7. Management Fees       |          | 8.23   | 8.23            | 0.175           |
| Gross Revenues           |          | 164.50 | 164.50          | 3.50            |
| Total Costs              |          | 142.80 | 142.80          | 3.04            |
| Net Profit or Loss       |          | 21.70  | 21.70           | 0.46            |

Budget - WC WW CF, NO TILL, 49.00 Bushels of Wheat, Winter  
Land is 1 acres of WCSD w/SFallow at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input                                | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|---|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.018            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.008            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.086            |
|          | 2,4-D 5.7E  | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.026            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.004            |
| 09/15/96 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.018            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.008            |
|          | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.043            |
|          | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.016            |
|          | Ammonium Sulfate                                  | 0.5 Pounds         |                |                |       | 0.10           | 0.10          | 0.002            |
| 06/01/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.018            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.008            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.086            |
|          | 2,4-D 5.7E  | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.026            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.004            |
| 07/15/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.018            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.008            |
|          | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.043            |
|          | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.016            |
|          | Ammonium Sulfate                                  | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.001            |
| 08/15/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.018            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.008            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.086            |
|          | 2,4-D 3.8L Amine                                  | 0.5 Pints          |                |                |       | 0.79           | 0.79          | 0.016            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.004            |
| 09/01/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.019            |
|          | Fertilizer Sprd. 40 Ft. &<br>Nitrogen, Dry (act.) | 78.0 Pounds        | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.029            |
|          | Phosphorous, Dry a.                               | 27.0 Pounds        |                |                |       | 20.75          | 20.75         | 0.423            |
| 09/15/97 | Tractor 190 hp                                    | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 7.80           | 7.80          | 0.159            |
|          | No-Till Drill, 30'                                |                    | 3.97           | 2.06           | 0.07  | 3.65           | 3.65          | 0.074            |
|          | Seed, Certified, WW                               | 52.0 Pounds        |                |                |       | 6.10           | 6.10          | 0.124            |
| 05/01/98 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 6.24           | 6.24          | 0.127            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.87           | 0.87          | 0.018            |
|          | 2,4-D 5.7E  | 0.8 Pints          |                |                |       | 0.38           | 0.38          | 0.008            |
| 06/15/98 | Custom Spraying                                   | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 2.06           | 2.06          | 0.042            |
|          | Aerial Spraying                                   | 0.2 Acres          |                |                |       | 0.00           | 0.00          | 0.000            |
|          | Parathion   | 0.1 Pounds         |                |                |       | 0.75           | 0.75          | 0.015            |
| 07/01/98 | Custom Combine, \$15/ac.                          | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.25           | 0.25          | 0.005            |
|          | Custom Combine Wheat                              | 1.0 Acres          |                |                |       | 0.00           | 0.00          | 0.000            |
|          | Trucking, \$0.15/bu                               | 49.0 Bushels       |                |                |       | 16.00          | 16.00         | 0.327            |
|          |   |                    |                |                |       | 7.35           | 7.35          | 0.150            |
|          | TOTAL Machinery Cost .....                        |                    |                |                |       | 19.65          | 19.65         | 0.401            |
|          | TOTAL Input Cost .....                            |                    |                |                |       | 83.65          | 83.65         | 1.707            |
|          | TOTAL Budget Cost .....                           |                    |                |                |       | 103.29         | 103.29        | 2.108            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Roundup RT 3L        | Pints   | 3.20     | 16.77       | 16.77 0.342                   |
| 2,4-D 5.7E           | Pints   | 2.40     | 6.19        | 6.19 0.126                    |
| Ammonium Sulfate     | Pounds  | 3.80     | 0.76        | 0.76 0.016                    |
| 2,4-D 3.8L Amine     | Pints   | 0.50     | 0.79        | 0.79 0.016                    |
| Nitrogen, Dry (act.) | Pounds  | 78.00    | 20.75       | 20.75 0.423                   |
| Phosphorous, Dry a.  | Pounds  | 27.00    | 7.80        | 7.80 0.159                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.127                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.015                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.005                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.327                   |
| Trucking, \$0.15/bu  | Bushels | 49.00    | 7.35        | 7.35 0.150                    |
| Material Cost Total  |         |          | 83.65       | 83.65 1.707                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.39     | 4.49        | 4.49 0.092                    |
| Other Labor          | Hours   | 0.04     | 0.32        | 0.32 0.007                    |
| Labor Cost Total     |         |          | 4.81        | 4.81 0.098                    |
| Fuels Used, Diesel   | Gallons | 1.39     | 1.14        | 1.14 0.023                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 171.50   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 171.50 | 171.50             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 9.52     |        | 9.52               | 0.194              |
| 2.2 Operating Cost       | 4.18     |        | 4.18               | 0.085              |
| 2.3 Total Machinery Cost |          | 13.70  | 13.70              | 0.280              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 83.65    |        | 83.65              | 1.707              |
| 3.2 Fuel Cost            | 1.14     |        | 1.14               | 0.023              |
| 3.3 Labor Wages          | 4.81     |        | 4.81               | 0.098              |
| 3.4 Total Materials Cost |          | 89.59  | 89.59              | 1.828              |
| 4. Capital Costs         |          | 8.30   | 8.30               | 0.169              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 43.40  | 43.40              | 0.886              |
| 7. Management Fees       |          | 8.57   | 8.57               | 0.175              |
| Gross Revenues           |          | 171.50 | 171.50             | 3.50               |
| Total Costs              |          | 163.57 | 163.57             | 3.34               |
| Net Profit or Loss       |          | 7.93   | 7.93               | 0.16               |

Budget - WC WW CC, NO TILL, 28.00 Bushels of Wheat, Winter  
Land is 1 acres of West Central SD at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input         | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|----------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/15/97 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.031            |
|          | Sprayer Pull Type, 50'     |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.014            |
|          | Roundup RT 3L              | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.075            |
|          | 2,4-D 5.7E                 | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.028            |
|          | Ammonium Sulfate           | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.002            |
| 09/01/97 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.034            |
|          | Fertilizer Sprd. 40 Ft. &  |                    | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.050            |
|          | Nitrogen, Dry (act.)       | 45.0 Pounds        |                |                |       | 11.97          | 11.97         | 0.428            |
|          | Phosphorous, Dry a.        | 16.0 Pounds        |                |                |       | 4.62           | 4.62          | 0.165            |
| 09/15/97 | Tractor 190 hp             | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 3.65           | 3.65          | 0.130            |
|          | No-Till Drill, 30'         |                    | 3.97           | 2.06           | 0.07  | 6.10           | 6.10          | 0.218            |
|          | Seed, Certified, WW        | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.223            |
| 05/01/98 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.031            |
|          | Sprayer Pull Type, 50'     |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.014            |
|          | 2,4-D 5.7E                 | 0.8 Pints          |                |                |       | 2.06           | 2.06          | 0.074            |
| 06/15/98 | Custom Spraying            | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Aerial Spraying            | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.027            |
|          | Parathion                  | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.009            |
| 07/01/98 | Custom Combine, \$15/ac.   | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Custom Combine Wheat       | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.571            |
|          | Trucking, \$0.15/bu        | 28.0 Bushels       |                |                |       | 4.20           | 4.20          | 0.150            |
|          | TOTAL Machinery Cost ..... |                    |                |                |       | 14.61          | 14.61         | 0.522            |
|          | TOTAL Input Cost .....     |                    |                |                |       | 49.03          | 49.03         | 1.751            |
|          | TOTAL Budget Cost .....    |                    |                |                |       | 63.64          | 63.64         | 2.273            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Roundup RT 3L        | Pints   | 0.40     | 2.10        | 2.10 0.075                    |
| 2,4-D 5.7E           | Pints   | 1.10     | 2.84        | 2.84 0.101                    |
| Ammonium Sulfate     | Pounds  | 0.30     | 0.06        | 0.06 0.002                    |
| Nitrogen, Dry (act.) | Pounds  | 45.00    | 11.97       | 11.97 0.428                   |
| Phosphorous, Dry a.  | Pounds  | 16.00    | 4.62        | 4.62 0.165                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.223                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.027                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.009                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.571                   |
| Trucking, \$0.15/bu  | Bushels | 28.00    | 4.20        | 4.20 0.150                    |
| Material Cost Total  |         |          | 49.03       | 49.03 1.751                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.22     | 2.52        | 2.52 0.090                    |
| Other Labor          | Hours   | 0.02     | 0.18        | 0.18 0.006                    |
| Labor Cost Total     |         |          | 2.70        | 2.70 0.096                    |
| Fuels Used, Diesel   | Gallons | 0.97     | 0.80        | 0.80 0.029                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total | Amount Per Acre | Amount Per Unit |
|--------------------------|----------|-------|-----------------|-----------------|
| 1. Gross Revenues        |          |       |                 |                 |
| 1.1 Wheat, Winter        | 98.00    |       |                 |                 |
| 1.2 Wheat Gov. Payment   | 0.00     |       |                 |                 |
| 1.3 Total Crop Revenue   |          | 98.00 | 98.00           | 3.500           |
| 2. Machinery Cost        |          |       |                 |                 |
| 2.1 Ownership Cost       | 7.69     |       | 7.69            | 0.275           |
| 2.2 Operating Cost       | 3.43     |       | 3.43            | 0.122           |
| 2.3 Total Machinery Cost |          | 11.12 | 11.12           | 0.397           |
| 3. Materials Cost        |          |       |                 |                 |
| 3.1 Materials            | 49.03    |       | 49.03           | 1.751           |
| 3.2 Fuel Cost            | 0.80     |       | 0.80            | 0.029           |
| 3.3 Labor Wages          | 2.70     |       | 2.70            | 0.096           |
| 3.4 Total Materials Cost |          | 52.52 | 52.52           | 1.876           |
| 4. Capital Costs         |          | 3.40  | 3.40            | 0.121           |
| 5. Drying Costs          |          | 0.00  | 0.00            | 0.000           |
| 6. Land Charges          |          | 21.70 | 21.70           | 0.775           |
| 7. Management Fees       |          | 4.90  | 4.90            | 0.175           |
| Gross Revenues           |          | 98.00 | 98.00           | 3.50            |
| Total Costs              |          | 93.64 | 93.64           | 3.34            |
| Net Profit or Loss       |          | 4.36  | 4.36            | 0.16            |

Budget - SW WW MECH FALLOW. 43.00 Bushels of Wheat, Winter  
Land is 1 acres of SWSD w/SFallow at Owned, field cult+chis Tillage  
No Residue Management, No Conservation Plan. Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

# Detailed Operations Cost

| Date                       | Machinery Or Input                                | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------------------------|---|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96                   | Tractor 250 hp 4Wd,heavy                          | 0.1 Hrs(1.0 Times) | 0.83           | 1.02           | 0.84  | 2.69           | 2.69          | 0.063            |
|                            | Chisel Plow, 31'                                  |                    | 1.27           | 0.45           | 0.06  | 1.78           | 1.78          | 0.041            |
| 09/15/96                   | Tractor 250 hp 4Wd,heavy                          | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.026            |
|                            | Field Cultivator 50',heav                         |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.016            |
| 05/20/97                   | Tractor 250 hp 4Wd,heavy                          | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.026            |
|                            | Field Cultivator 50',heav                         |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.016            |
| 06/15/97                   | Tractor 250 hp 4Wd,heavy                          | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.026            |
|                            | Field Cultivator 50',heav                         |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.016            |
| 07/01/97                   | Tractor 250 hp 4Wd,heavy                          | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.026            |
|                            | Field Cultivator 50',heav                         |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.016            |
| 08/10/97                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.022            |
|                            | Rent Fert. Sprd. 40 Ft. &<br>Nitrogen, Dry (act.) | 69.0 Pounds        | 0.00           | 1.68           | 0.04  | 1.72           | 1.72          | 0.040            |
|                            | Phosphorous, Dry a.                               | 24.0 Pounds        |                |                |       | 18.35          | 18.35         | 0.427            |
| 08/15/97                   | Tractor 250 hp 4Wd,heavy                          | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.026            |
|                            | Field Cultivator 50',heav                         |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.016            |
| 09/01/97                   | Tractor 250 hp 4Wd,heavy                          | 0.1 Hrs(1.0 Times) | 0.73           | 0.91           | 0.75  | 2.38           | 2.38          | 0.055            |
|                            | Grain Drill Press Wheel 4                         |                    | 3.29           | 1.43           | 0.05  | 4.77           | 4.77          | 0.111            |
|                            | Seed, Certified, WW                               | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.145            |
| 05/01/98                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.19           | 0.17           | 0.46  | 0.81           | 0.81          | 0.019            |
|                            | Sprayer Pull Type, 50'                            |                    | 0.24           | 0.09           | 0.03  | 0.36           | 0.36          | 0.008            |
|                            | 2,4-D 3.8E  | 0.8 Pints          |                |                |       | 1.39           | 1.39          | 0.032            |
| 06/15/98                   | Custom Spraying                                   | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Aerial Spraying                                   | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.017            |
|                            | Parathion   | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.006            |
| 07/01/98                   | Custom Combine, \$15/ac.                          | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Custom Combine Wheat                              | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.372            |
|                            | Trucking, \$0.15/bu                               | 43.0 Bushels       |                |                |       | 6.45           | 6.45          | 0.150            |
| TOTAL Machinery Cost ..... |   |                    |                |                |       | 24.45          | 24.45         | 0.569            |
| TOTAL Input Cost .....     |   |                    |                |                |       | 56.37          | 56.37         | 1.311            |
| TOTAL Budget Cost .....    |   |                    |                |                |       | 80.81          | 80.81         | 1.879            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen, Dry (act.) | Pounds  | 69.00    | 18.35       | 18.35 0.427                   |
| Phosphorous, Dry a.  | Pounds  | 24.00    | 6.94        | 6.94 0.161                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.145                    |
| 2,4-D 3.8E           | Pints   | 0.75     | 1.39        | 1.39 0.032                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.017                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.006                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.372                   |
| Trucking, \$0.15/bu  | Bushels | 43.00    | 6.45        | 6.45 0.150                    |
| Material Cost Total  |         |          | 56.37       | 56.37 1.311                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.38     | 4.33        | 4.33 0.101                    |
| Other Labor          | Hours   | 0.03     | 0.31        | 0.31 0.007                    |
| Labor Cost Total     |         |          | 4.64        | 4.64 0.108                    |
| Fuels Used, Diesel   | Gallons | 3.11     | 2.55        | 2.55 0.059                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 150.50   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 150.50 | 150.50             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 10.65    |        | 10.65              | 0.248              |
| 2.2 Operating Cost       | 6.60     |        | 6.60               | 0.154              |
| 2.3 Total Machinery Cost |          | 17.25  | 17.25              | 0.401              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 56.37    |        | 56.37              | 1.311              |
| 3.2 Fuel Cost            | 2.55     |        | 2.55               | 0.059              |
| 3.3 Labor Wages          | 4.64     |        | 4.64               | 0.108              |
| 3.4 Total Materials Cost |          | 63.56  | 63.56              | 1.478              |
| 4. Capital Costs         |          | 7.27   | 7.27               | 0.169              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 43.40  | 43.40              | 1.009              |
| 7. Management Fees       |          | 7.53   | 7.53               | 0.175              |
| Gross Revenues           |          | 150.50 | 150.50             | 3.50               |
| Total Costs              |          | 139.01 | 139.01             | 3.23               |
| Net Profit or Loss       |          | 11.49  | 11.49              | 0.27               |



Budget - SW WW CF, NO TILL, 43.00 Bushels of Wheat, Winter  
Land is 1 acres of SWSD w/SFallow at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input                                | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|---|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.020            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.009            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.097            |
|          | 2,4-D 5.7E  | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.030            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 09/15/96 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.020            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.009            |
|          | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.049            |
|          | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.018            |
|          | Ammonium Sulfate                                  | 0.5 Pounds         |                |                |       | 0.10           | 0.10          | 0.002            |
| 06/01/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.020            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.009            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.097            |
|          | 2,4-D 5.7E  | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.030            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 07/15/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.020            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.009            |
|          | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.049            |
|          | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.018            |
|          | Ammonium Sulfate                                  | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.001            |
| 08/15/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.020            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.009            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.097            |
|          | 2,4-D 3.8L Amine                                  | 0.5 Pints          |                |                |       | 0.79           | 0.79          | 0.018            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 09/01/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.022            |
|          | Fertilizer Sprd. 40 Ft. &<br>Nitrogen, Dry (act.) | 69.0 Pounds        | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.033            |
|          | Phosphorous, Dry a.                               | 24.0 Pounds        |                |                |       | 18.35          | 18.35         | 0.427            |
| 09/15/97 | Tractor 190 hp                                    | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 6.94           | 6.94          | 0.161            |
|          | No-Till Drill, 30'                                |                    | 3.97           | 2.06           | 0.07  | 3.65           | 3.65          | 0.085            |
|          | Seed, Certified, WW                               | 52.0 Pounds        |                |                |       | 6.10           | 6.10          | 0.142            |
| 05/01/98 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 6.24           | 6.24          | 0.145            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.87           | 0.87          | 0.020            |
|          | 2,4-D 5.7E  | 0.8 Pints          |                |                |       | 0.38           | 0.38          | 0.009            |
| 06/15/98 | Custom Spraying                                   | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 2.06           | 2.06          | 0.048            |
|          | Aerial Spraying                                   | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.017            |
|          | Parathion   | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.006            |
| 07/01/98 | Custom Combine, \$15/ac.                          | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Custom Combine Wheat                              | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.372            |
|          | Trucking, \$0.15/bu                               | 43.0 Bushels       |                |                |       | 6.45           | 6.45          | 0.150            |
|          | TOTAL Machinery Cost .....                        |                    |                |                |       | 19.65          | 19.65         | 0.457            |
|          | TOTAL Input Cost .....                            |                    |                |                |       | 79.49          | 79.49         | 1.848            |
|          | TOTAL Budget Cost .....                           |                    |                |                |       | 99.13          | 99.13         | 2.305            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Roundup RT 3L        | Pints   | 3.20     | 16.77       | 16.77 0.390                   |
| 2,4-D 5.7E           | Pints   | 2.40     | 6.19        | 6.19 0.144                    |
| Ammonium Sulfate     | Pounds  | 3.80     | 0.76        | 0.76 0.018                    |
| 2,4-D 3.8L Amine     | Pints   | 0.50     | 0.79        | 0.79 0.018                    |
| Nitrogen, Dry (act.) | Pounds  | 69.00    | 18.35       | 18.35 0.427                   |
| Phosphorous, Dry a.  | Pounds  | 24.00    | 6.94        | 6.94 0.161                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.145                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.017                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.006                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.372                   |
| Trucking, \$0.15/bu  | Bushels | 43.00    | 6.45        | 6.45 0.150                    |
| Material Cost Total  |         |          | 79.49       | 79.49 1.848                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.39     | 4.49        | 4.49 0.104                    |
| Other Labor          | Hours   | 0.04     | 0.32        | 0.32 0.007                    |
| Labor Cost Total     |         |          | 4.81        | 4.81 0.112                    |
| Fuels Used, Diesel   | Gallons | 1.39     | 1.14        | 1.14 0.026                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 150.50   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 150.50 | 150.50             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 9.52     |        | 9.52               | 0.221              |
| 2.2 Operating Cost       | 4.18     |        | 4.18               | 0.097              |
| 2.3 Total Machinery Cost |          | 13.70  | 13.70              | 0.319              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 79.49    |        | 79.49              | 1.848              |
| 3.2 Fuel Cost            | 1.14     |        | 1.14               | 0.026              |
| 3.3 Labor Wages          | 4.81     |        | 4.81               | 0.112              |
| 3.4 Total Materials Cost |          | 85.43  | 85.43              | 1.987              |
| 4. Capital Costs         |          | 7.98   | 7.98               | 0.185              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 43.40  | 43.40              | 1.009              |
| 7. Management Fees       |          | 7.53   | 7.53               | 0.175              |
| Gross Revenues           |          | 150.50 | 150.50             | 3.50               |
| Total Costs              |          | 158.03 | 158.03             | 3.68               |
| Net Profit or Loss       |          | -7.53  | -7.53              | -0.18              |

Budget - SW WW CC, NO TILL, 30.00 Bushels of Wheat, Winter  
Land is 1 acres of Southwest SD at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date                       | Machinery Or Input        | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------------------------|---------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/15/97                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.029            |
|                            | Sprayer Pull Type, 50'    |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.013            |
|                            | Roundup RT 3L             | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.070            |
|                            | 2,4-D 5.7E                | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.026            |
|                            | Ammonium Sulfate          | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.002            |
| 09/01/97                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.031            |
|                            | Fertilizer Sprd. 40 Ft. & |                    | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.047            |
|                            | Nitrogen, Dry (act.)      | 48.0 Pounds        |                |                |       | 12.77          | 12.77         | 0.426            |
|                            | Phosphorous, Dry a.       | 17.0 Pounds        |                |                |       | 4.91           | 4.91          | 0.164            |
| 09/15/97                   | Tractor 190 hp            | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 3.65           | 3.65          | 0.122            |
|                            | No-Till Drill, 30'        |                    | 3.97           | 2.06           | 0.07  | 6.10           | 6.10          | 0.203            |
|                            | Seed, Certified, WW       | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.208            |
| 05/01/98                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.029            |
|                            | Sprayer Pull Type, 50'    |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.013            |
|                            | 2,4-D 5.7E                | 0.8 Pints          |                |                |       | 2.06           | 2.06          | 0.069            |
| 06/15/98                   | Custom Spraying           | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Aerial Spraying           | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.025            |
|                            | Parathion                 | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.008            |
| 07/01/98                   | Custom Combine, \$15/ac.  | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Custom Combine Wheat      | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.533            |
|                            | Trucking, \$0.15/bu       | 30.0 Bushels       |                |                |       | 4.50           | 4.50          | 0.150            |
| TOTAL Machinery Cost ..... |                           |                    |                |                |       | 14.61          | 14.61         | 0.487            |
| TOTAL Input Cost .....     |                           |                    |                |                |       | 50.42          | 50.42         | 1.681            |
| TOTAL Budget Cost .....    |                           |                    |                |                |       | 65.02          | 65.02         | 2.167            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre | Unit  |
|----------------------|---------|----------|-------------|--------------------------|-------|
| Materials Used       |         |          |             |                          |       |
| Roundup RT 3L        | Pints   | 0.40     | 2.10        | 2.10                     | 0.070 |
| 2,4-D 5.7E           | Pints   | 1.10     | 2.84        | 2.84                     | 0.095 |
| Ammonium Sulfate     | Pounds  | 0.30     | 0.06        | 0.06                     | 0.002 |
| Nitrogen, Dry (act.) | Pounds  | 48.00    | 12.77       | 12.77                    | 0.426 |
| Phosphorous, Dry a.  | Pounds  | 17.00    | 4.91        | 4.91                     | 0.164 |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24                     | 0.208 |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75                     | 0.025 |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25                     | 0.008 |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00                    | 0.533 |
| Trucking, \$0.15/bu  | Bushels | 30.00    | 4.50        | 4.50                     | 0.150 |
| Material Cost Total  |         |          | 50.42       | 50.42                    | 1.681 |
| Labor Used           |         |          |             |                          |       |
| Machinery Labor      | Hours   | 0.22     | 2.52        | 2.52                     | 0.084 |
| Other Labor          | Hours   | 0.02     | 0.18        | 0.18                     | 0.006 |
| Labor Cost Total     |         |          | 2.70        | 2.70                     | 0.090 |
| Fuels Used, Diesel   | Gallons | 0.97     | 0.80        | 0.80                     | 0.027 |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 105.00   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 105.00 | 105.00             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 7.69     |        | 7.69               | 0.256              |
| 2.2 Operating Cost       | 3.43     |        | 3.43               | 0.114              |
| 2.3 Total Machinery Cost |          | 11.12  | 11.12              | 0.371              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 50.42    |        | 50.42              | 1.681              |
| 3.2 Fuel Cost            | 0.80     |        | 0.80               | 0.027              |
| 3.3 Labor Wages          | 2.70     |        | 2.70               | 0.090              |
| 3.4 Total Materials Cost |          | 53.91  | 53.91              | 1.797              |
| 4. Capital Costs         |          | 3.51   | 3.51               | 0.117              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 21.70  | 21.70              | 0.723              |
| 7. Management Fees       |          | 5.25   | 5.25               | 0.175              |
| Gross Revenues           |          | 105.00 | 105.00             | 3.50               |
| Total Costs              |          | 95.48  | 95.48              | 3.18               |
| Net Profit or Loss       |          | 9.52   | 9.52               | 0.32               |

Budget - NC WW MECH FALLOW, 40.00 Bushels of Wheat, Winter  
Land is 1 acres of NCSD w/S Fallow at Owned, field cult+chis Tillage  
No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date                       | Machinery Or Input        | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------------------------|---------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96                   | Tractor 250 hp 4Wd,heavy  | 0.1 Hrs(1.0 Times) | 0.83           | 1.02           | 0.84  | 2.69           | 2.69          | 0.067            |
|                            | Chisel Plow, 31'          |                    | 1.27           | 0.45           | 0.06  | 1.78           | 1.78          | 0.045            |
| 09/15/96                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.028            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.017            |
| 05/20/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.028            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.017            |
| 06/15/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.028            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.017            |
| 07/01/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.028            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.017            |
| 08/10/97                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.19           | 0.17           | 0.47  | 0.82           | 0.82          | 0.021            |
|                            | Rent Fert. Sprd. 40 Ft. & |                    | 0.00           | 1.47           | 0.03  | 1.51           | 1.51          | 0.038            |
|                            | Nitrogen, Dry             | 64.0 Pounds        |                |                |       | 17.02          | 17.02         | 0.426            |
|                            | Phosphorous, Dry a.       | 22.0 Pounds        |                |                |       | 6.36           | 6.36          | 0.159            |
| 08/15/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.028            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.017            |
| 09/01/97                   | Tractor 250 hp 4Wd,heavy  | 0.1 Hrs(1.0 Times) | 0.73           | 0.91           | 0.75  | 2.38           | 2.38          | 0.060            |
|                            | Grain Drill Press Wheel 4 |                    | 3.29           | 1.43           | 0.05  | 4.77           | 4.77          | 0.119            |
|                            | Seed, Certified, WW       | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.156            |
| 05/01/98                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.19           | 0.17           | 0.46  | 0.81           | 0.81          | 0.020            |
|                            | Sprayer Pull Type, 50'    |                    | 0.24           | 0.09           | 0.03  | 0.36           | 0.36          | 0.009            |
|                            | 2,4-D 3.8E                | 0.8 Pints          |                |                |       | 1.39           | 1.39          | 0.035            |
| 06/15/98                   | Custom Spraying           | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Aerial Spraying           | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.019            |
|                            | Parathion                 | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.006            |
| 07/01/98                   | Custom Combine, \$15/ac.  | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Custom Combine Wheat      | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.400            |
|                            | Trucking, \$0.15/bu       | 40.0 Bushels       |                |                |       | 6.00           | 6.00          | 0.150            |
| TOTAL Machinery Cost ..... |                           |                    |                |                |       | 24.11          | 24.11         | 0.603            |
| TOTAL Input Cost .....     |                           |                    |                |                |       | 54.01          | 54.01         | 1.350            |
| TOTAL Budget Cost .....    |                           |                    |                |                |       | 78.12          | 78.12         | 1.953            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen, Dry        | Pounds  | 64.00    | 17.02       | 17.02 0.426                   |
| Phosphorous, Dry a.  | Pounds  | 22.00    | 6.36        | 6.36 0.159                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.156                    |
| 2,4-D 3.8E           | Pints   | 0.75     | 1.39        | 1.39 0.035                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.019                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.006                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.400                   |
| Trucking, \$0.15/bu  | Bushels | 40.00    | 6.00        | 6.00 0.150                    |
| Material Cost Total  |         |          | 54.01       | 54.01 1.350                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.37     | 4.27        | 4.27 0.107                    |
| Other Labor          | Hours   | 0.03     | 0.30        | 0.30 0.008                    |
| Labor Cost Total     |         |          | 4.57        | 4.57 0.114                    |
| Fuels Used, Diesel   | Gallons | 3.10     | 2.54        | 2.54 0.064                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 140.00   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 140.00 | 140.00             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 10.62    |        | 10.62              | 0.266              |
| 2.2 Operating Cost       | 6.38     |        | 6.38               | 0.160              |
| 2.3 Total Machinery Cost |          | 17.00  | 17.00              | 0.425              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 54.01    |        | 54.01              | 1.350              |
| 3.2 Fuel Cost            | 2.54     |        | 2.54               | 0.064              |
| 3.3 Labor Wages          | 4.57     |        | 4.57               | 0.114              |
| 3.4 Total Materials Cost |          | 61.12  | 61.12              | 1.528              |
| 4. Capital Costs         |          | 5.11   | 5.11               | 0.128              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 82.40  | 82.40              | 2.060              |
| 7. Management Fees       |          | 7.00   | 7.00               | 0.175              |
| Gross Revenues           |          | 140.00 | 140.00             | 3.50               |
| Total Costs              |          | 172.63 | 172.63             | 4.32               |
| Net Profit or Loss       |          | -32.63 | -32.63             | -0.82              |

Budget - NC WW CHEM FALLOW, NO TILL, 40.00 Bushels of Wheat, Winter  
Land is 1 acres of NCSD w/S Fallow at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date                       | Machinery Or Input                                | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------------------------|---|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 09/15/96                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.022            |
|                            | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.052            |
|                            | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.019            |
|                            | Ammonium Sulfate                                  | 0.5 Pounds         |                |                |       | 0.10           | 0.10          | 0.002            |
| 06/01/97                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.022            |
|                            | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.105            |
|                            | 2,4-D 5.7E  | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.032            |
|                            | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 07/15/97                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.022            |
|                            | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.052            |
|                            | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.019            |
|                            | Ammonium Sulfate                                  | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.002            |
| 08/01/97                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.022            |
|                            | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.105            |
|                            | 2,4-D 5.7E  | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.032            |
|                            | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 08/15/97                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.022            |
|                            | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.010            |
|                            | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.105            |
|                            | 2,4-D 3.8L Amine                                  | 0.5 Pints          |                |                |       | 0.79           | 0.79          | 0.020            |
|                            | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.005            |
| 09/01/97                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.024            |
|                            | Fertilizer Sprd. 40 Ft. &<br>Nitrogen, Dry (act.) | 64.0 Pounds        | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.035            |
|                            | Phosphorous, Dry a.                               | 22.0 Pounds        |                |                |       | 17.02          | 17.02         | 0.426            |
| 09/15/97                   | Tractor 190 hp                                    | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 6.36           | 6.36          | 0.159            |
|                            | No-Till Drill, 30'                                |                    | 3.97           | 2.06           | 0.07  | 3.65           | 3.65          | 0.091            |
|                            | Seed, Certified, WW                               | 52.0 Pounds        |                |                |       | 6.10           | 6.10          | 0.152            |
| 05/01/98                   | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 6.24           | 6.24          | 0.156            |
|                            | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.87           | 0.87          | 0.022            |
|                            | 2,4-D 5.7E  | 0.8 Pints          |                |                |       | 0.38           | 0.38          | 0.010            |
| 06/15/98                   | Custom Spraying                                   | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 2.06           | 2.06          | 0.052            |
|                            | Aerial Spraying                                   | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.019            |
|                            | Parathion   | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.006            |
| 07/01/98                   | Custom Combine, \$15/ac.                          | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Custom Combine Wheat                              | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.400            |
|                            | Trucking, \$0.15/bu                               | 40.0 Bushels       |                |                |       | 6.00           | 6.00          | 0.150            |
| TOTAL Machinery Cost ..... |   |                    |                |                |       | 19.65          | 19.65         | 0.491            |
| TOTAL Input Cost .....     |   |                    |                |                |       | 77.13          | 77.13         | 1.928            |
| TOTAL Budget Cost .....    |   |                    |                |                |       | 96.77          | 96.77         | 2.419            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |       |
|----------------------|---------|----------|-------------|-------------------------------|-------|
| Materials Used       |         |          |             |                               |       |
| Roundup RT 3L        | Pints   | 3.20     | 16.77       | 16.77                         | 0.419 |
| 2,4-D 5.7E           | Pints   | 2.40     | 6.19        | 6.19                          | 0.155 |
| Ammonium Sulfate     | Pounds  | 3.80     | 0.76        | 0.76                          | 0.019 |
| 2,4-D 3.8L Amine     | Pints   | 0.50     | 0.79        | 0.79                          | 0.020 |
| Nitrogen, Dry (act.) | Pounds  | 64.00    | 17.02       | 17.02                         | 0.426 |
| Phosphorous, Dry a.  | Pounds  | 22.00    | 6.36        | 6.36                          | 0.159 |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24                          | 0.156 |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75                          | 0.019 |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25                          | 0.006 |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00                         | 0.400 |
| Trucking, \$0.15/bu  | Bushels | 40.00    | 6.00        | 6.00                          | 0.150 |
| Material Cost Total  |         |          | 77.13       | 77.13                         | 1.928 |
| Labor Used           |         |          |             |                               |       |
| Machinery Labor      | Hours   | 0.39     | 4.49        | 4.49                          | 0.112 |
| Other Labor          | Hours   | 0.04     | 0.32        | 0.32                          | 0.008 |
| Labor Cost Total     |         |          | 4.81        | 4.81                          | 0.120 |
| Fuels Used, Diesel   |         |          |             |                               |       |
|                      | Gallons | 1.39     | 1.14        | 1.14                          | 0.028 |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 140.00   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 140.00 | 140.00             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 9.52     |        | 9.52               | 0.238              |
| 2.2 Operating Cost       | 4.18     |        | 4.18               | 0.104              |
| 2.3 Total Machinery Cost |          | 13.70  | 13.70              | 0.342              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 77.13    |        | 77.13              | 1.928              |
| 3.2 Fuel Cost            | 1.14     |        | 1.14               | 0.028              |
| 3.3 Labor Wages          | 4.81     |        | 4.81               | 0.120              |
| 3.4 Total Materials Cost |          | 83.08  | 83.08              | 2.077              |
| 4. Capital Costs         |          | 7.03   | 7.03               | 0.176              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 82.40  | 82.40              | 2.060              |
| 7. Management Fees       |          | 7.00   | 7.00               | 0.175              |
| Gross Revenues           |          | 140.00 | 140.00             | 3.50               |
| Total Costs              |          | 193.20 | 193.20             | 4.83               |
| Net Profit or Loss       |          | -53.20 | -53.20             | -1.33              |



Budget - NC WW CC, 35.00 Bushels of Wheat, Winter  
Land is 1 acres of North Central SD at Owned, Conventional Tillage  
No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input                         | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|--|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/10/97 | Tractor 160 hp                             | 0.0 Hrs(1.0 Times) | 0.49           | 0.54           | 0.53  | 1.56           | 1.56          | 0.045            |
|          | Rent Fert. Sprd. 40 Ft. &<br>Nitrogen, Dry | 56.0 Pounds        | 0.00           | 1.68           | 0.04  | 1.72           | 1.72          | 0.049            |
|          | P205                                       | 20.0 Pounds        |                |                |       | 14.90          | 14.90         | 0.426            |
| 08/15/97 | Tractor 160 hp                             | 0.0 Hrs(1.0 Times) | 0.57           | 0.64           | 0.63  | 5.78           | 5.78          | 0.165            |
|          | Field Cultivator 28'                       |                    | 0.58           | 0.21           | 0.04  | 1.84           | 1.84          | 0.053            |
| 09/01/97 | Tractor 160 hp                             | 0.1 Hrs(1.0 Times) | 0.83           | 0.21           | 0.04  | 0.83           | 0.83          | 0.024            |
|          | Grain Drill 25 Ft                          |                    | 1.09           | 1.22           | 1.19  | 3.50           | 3.50          | 0.100            |
|          | Seed, Certified, WW                        | 52.0 Pounds        | 2.81           | 1.21           | 0.08  | 4.10           | 4.10          | 0.117            |
| 05/01/98 | Custom Spraying                            | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 6.24           | 6.24          | 0.178            |
|          | Custom Spraying                            | 1.0 Acres          |                |                |       | 0.00           | 0.00          | 0.000            |
|          | 2,4-D 3.8L Amine                           | 0.8 Pints          |                |                |       | 3.40           | 3.40          | 0.097            |
| 06/15/98 | Custom Spraying                            | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 1.18           | 1.18          | 0.034            |
|          | Aerial Spraying                            | 0.2 Acres          |                |                |       | 0.00           | 0.00          | 0.000            |
|          | Parathion                                  | 1.0 Pounds         |                |                |       | 0.75           | 0.75          | 0.021            |
| 07/10/98 | Custom Combine, \$15/ac.                   | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 2.50           | 2.50          | 0.071            |
|          | Custom Combine Wheat                       | 1.0 Acres          |                |                |       | 0.00           | 0.00          | 0.000            |
|          | Trucking, \$0.15/bu                        | 35.0 Bushels       |                |                |       | 16.00          | 16.00         | 0.457            |
| 08/04/98 | Tractor 160 hp                             | 0.1 Hrs(1.0 Times) | 1.26           | 1.40           | 1.37  | 5.25           | 5.25          | 0.150            |
|          | Chisel Plow, 19'                           |                    | 1.22           | 0.45           | 0.10  | 4.03           | 4.03          | 0.115            |
|          | TOTAL Machinery Cost .....                 |                    |                |                |       | 1.77           | 1.77          | 0.051            |
|          | TOTAL Input Cost .....                     |                    |                |                |       | 19.36          | 19.36         | 0.553            |
|          | TOTAL Budget Cost .....                    |                    |                |                |       | 55.99          | 55.99         | 1.600            |
|          |  |                    |                |                |       | 75.36          | 75.36         | 2.153            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen, Dry        | Pounds  | 56.00    | 14.90       | 14.90 0.426                   |
| P205                 | Pounds  | 20.00    | 5.78        | 5.78 0.165                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.178                    |
| Custom Spraying      | Acres   | 1.00     | 3.40        | 3.40 0.097                    |
| 2,4-D 3.8L Amine     | Pints   | 0.75     | 1.18        | 1.18 0.034                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.021                    |
| Parathion            | Pounds  | 1.00     | 2.50        | 2.50 0.071                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.457                   |
| Trucking, \$0.15/bu  | Bushels | 35.00    | 5.25        | 5.25 0.150                    |
| Material Cost Total  |         |          | 55.99       | 55.99 1.600                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.32     | 3.73        | 3.73 0.107                    |
| Other Labor          | Hours   | 0.03     | 0.27        | 0.27 0.008                    |
| Labor Cost Total     |         |          | 3.99        | 3.99 0.114                    |
| Fuels Used, Diesel   | Gallons | 2.07     | 1.70        | 1.70 0.049                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount Per Acre | Amount Per Unit |
|--------------------------|----------|--------|-----------------|-----------------|
| 1. Gross Revenues        |          |        |                 |                 |
| 1.1 Wheat, Winter        | 122.50   |        |                 |                 |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                 |                 |
| 1.3 Total Crop Revenue   |          | 122.50 | 122.50          | 3.500           |
| 2. Machinery Cost        |          |        |                 |                 |
| 2.1 Ownership Cost       | 8.02     |        | 8.02            | 0.229           |
| 2.2 Operating Cost       | 5.65     |        | 5.65            | 0.161           |
| 2.3 Total Machinery Cost |          | 13.67  | 13.67           | 0.391           |
| 3. Materials Cost        |          |        |                 |                 |
| 3.1 Materials            | 55.99    |        | 55.99           | 1.600           |
| 3.2 Fuel Cost            | 1.70     |        | 1.70            | 0.049           |
| 3.3 Labor Wages          | 3.99     |        | 3.99            | 0.114           |
| 3.4 Total Materials Cost |          | 61.69  | 61.69           | 1.762           |
| 4. Capital Costs         |          | 3.93   | 3.93            | 0.112           |
| 5. Drying Costs          |          | 0.00   | 0.00            | 0.000           |
| 6. Land Charges          |          | 41.20  | 41.20           | 1.177           |
| 7. Management Fees       |          | 6.13   | 6.13            | 0.175           |
| Gross Revenues           |          | 122.50 | 122.50          | 3.50            |
| Total Costs              |          | 126.61 | 126.61          | 3.62            |
| Net Profit or Loss       |          | -4.11  | -4.11           | -0.12           |

Budget - C WW MECH FALLOW, 45.00 Bushels of Wheat, Winter  
Land is 1 acres of Central SD w/SFALLOW at Owned, field cult+chis Tillage  
No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date                       | Machinery Or Input   | Units Applied                                   | Owner-<br>ship | Oper-<br>ating | Labor        | Total<br>Costs        | Cost/<br>Acre         | Cost per<br>Unit        |
|----------------------------|--|---|----------------|----------------|--------------|-----------------------|-----------------------|-------------------------|
| 08/01/96                   | Tractor 250 hp 4Wd,heavy<br>Chisel Plow, 31'                                 | 0.1 Hrs(1.0 Times)                              | 0.83<br>1.27   | 1.02<br>0.45   | 0.84<br>0.06 | 2.69<br>1.78          | 2.69<br>1.78          | 0.060<br>0.040          |
| 09/15/96                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                        | 0.0 Hrs(1.0 Times)                              | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68          | 1.12<br>0.68          | 0.025<br>0.015          |
| 05/20/97                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                        | 0.0 Hrs(1.0 Times)                              | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68          | 1.12<br>0.68          | 0.025<br>0.015          |
| 06/15/97                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                        | 0.0 Hrs(1.0 Times)                              | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68          | 1.12<br>0.68          | 0.025<br>0.015          |
| 07/01/97                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                        | 0.0 Hrs(1.0 Times)                              | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68          | 1.12<br>0.68          | 0.025<br>0.015          |
| 08/10/97                   | Tractor 060 hp<br>Rent Fert. Sprd. 40 Ft. &<br>Nitrogen, Dry (act.)          | 0.0 Hrs(1.0 Times)                              | 0.19<br>0.00   | 0.17<br>1.47   | 0.47<br>0.03 | 0.82<br>1.51          | 0.82<br>1.51          | 0.018<br>0.033          |
|                            | Phosphorous, Dry a.  | 72.0 Pounds                                     |                |                |              | 19.15                 | 19.15                 | 0.426                   |
| 08/15/97                   | Tractor 250 hp 4Wd,heavy<br>Field Cultivator 50',heav                        | 0.0 Hrs(1.0 Times)                              | 0.34<br>0.43   | 0.43<br>0.22   | 0.35<br>0.02 | 1.12<br>0.68          | 1.12<br>0.68          | 0.025<br>0.015          |
| 09/01/97                   | Tractor 250 hp 4Wd,heavy<br>Grain Drill Press Wheel 4<br>Seed, Certified, WW | 0.1 Hrs(1.0 Times)                              | 0.73<br>3.29   | 0.91<br>1.43   | 0.75<br>0.05 | 2.38<br>4.77          | 2.38<br>4.77          | 0.053<br>0.106          |
| 05/01/98                   | Tractor 060 hp<br>Sprayer Pull Type, 50'<br>2,4-D 3.8E                       | 0.0 Hrs(1.0 Times)                              | 0.19<br>0.24   | 0.17<br>0.09   | 0.46<br>0.03 | 0.81<br>0.36          | 0.81<br>0.36          | 0.018<br>0.008          |
| 06/15/98                   | Custom Spraying<br>Aerial Spraying<br>Parathion                              | 0.0 Hrs(0.2 Times)<br>0.2 Acres<br>0.1 Pounds   | 0.00           | 0.00           | 0.00         | 1.39<br>0.75<br>0.25  | 1.39<br>0.75<br>0.25  | 0.031<br>0.017<br>0.006 |
| 07/01/98                   | Custom Combine, \$15/ac.<br>Custom Combine Wheat<br>Trucking, \$0.15/bu      | 0.0 Hrs(1.0 Times)<br>1.0 Acres<br>45.0 Bushels | 0.00           | 0.00           | 0.00         | 0.00<br>16.00<br>6.75 | 0.00<br>16.00<br>6.75 | 0.000<br>0.356<br>0.150 |
| TOTAL Machinery Cost ..... |  |   |                |                |              | 24.11                 | 24.11                 | 0.536                   |
| TOTAL Input Cost .....     |  |   |                |                |              | 57.75                 | 57.75                 | 1.283                   |
| TOTAL Budget Cost .....    |  |   |                |                |              | 81.87                 | 81.87                 | 1.819                   |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen, Dry (act.) | Pounds  | 72.00    | 19.15       | 19.15 0.426                   |
| Phosphorous, Dry a.  | Pounds  | 25.00    | 7.22        | 7.22 0.161                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.139                    |
| 2,4-D 3.8E           | Pints   | 0.75     | 1.39        | 1.39 0.031                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.017                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.006                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.356                   |
| Trucking, \$0.15/bu  | Bushels | 45.00    | 6.75        | 6.75 0.150                    |
| Material Cost Total  |         |          | 57.75       | 57.75 1.283                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.37     | 4.27        | 4.27 0.095                    |
| Other Labor          | Hours   | 0.03     | 0.30        | 0.30 0.007                    |
| Labor Cost Total     |         |          | 4.57        | 4.57 0.102                    |
| Fuels Used, Diesel   | Gallons | 3.10     | 2.54        | 2.54 0.056                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount Per Acre | Amount Per Unit |
|--------------------------|----------|--------|-----------------|-----------------|
| 1. Gross Revenues        |          |        |                 |                 |
| 1.1 Wheat, Winter        | 157.50   |        |                 |                 |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                 |                 |
| 1.3 Total Crop Revenue   |          | 157.50 | 157.50          | 3.500           |
| 2. Machinery Cost        |          |        |                 |                 |
| 2.1 Ownership Cost       | 10.62    |        | 10.62           | 0.236           |
| 2.2 Operating Cost       | 6.38     |        | 6.38            | 0.142           |
| 2.3 Total Machinery Cost |          | 17.00  | 17.00           | 0.378           |
| 3. Materials Cost        |          |        |                 |                 |
| 3.1 Materials            | 57.75    |        | 57.75           | 1.283           |
| 3.2 Fuel Cost            | 2.54     |        | 2.54            | 0.056           |
| 3.3 Labor Wages          | 4.57     |        | 4.57            | 0.102           |
| 3.4 Total Materials Cost |          | 64.87  | 64.87           | 1.441           |
| 4. Capital Costs         |          | 7.39   | 7.39            | 0.164           |
| 5. Drying Costs          |          | 0.00   | 0.00            | 0.000           |
| 6. Land Charges          |          | 77.20  | 77.20           | 1.716           |
| 7. Management Fees       |          | 7.88   | 7.88            | 0.175           |
| Gross Revenues           |          | 157.50 | 157.50          | 3.50            |
| Total Costs              |          | 174.33 | 174.33          | 3.87            |
| Net Profit or Loss       |          | -16.83 | -16.83          | -0.37           |

Budget - C WW CHEM FALLOW, NO TILL, 47.00 Bushels of Wheat, Winter  
Land is 1 acres of Central SD w/SFALLOW at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

# Detailed Operations Cost

| Date                       | Machinery Or Input                             | Units Applied      | Owner-ship | Oper-ating | Labor | Total Costs | Cost/Acre | Cost per Unit |
|----------------------------|--|--------------------|------------|------------|-------|-------------|-----------|---------------|
| 08/01/96                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20       | 0.18       | 0.49  | 0.87        | 0.87      | 0.019         |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26       | 0.09       | 0.04  | 0.38        | 0.38      | 0.008         |
|                            | Roundup RT 3L                                  | 0.8 Pints          |            |            |       | 4.19        | 4.19      | 0.089         |
|                            | 2,4-D 5.7E                                     | 0.5 Pints          |            |            |       | 1.29        | 1.29      | 0.027         |
|                            | Ammonium Sulfate                               | 1.0 Pounds         |            |            |       | 0.20        | 0.20      | 0.004         |
| 09/15/96                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20       | 0.18       | 0.49  | 0.87        | 0.87      | 0.019         |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26       | 0.09       | 0.04  | 0.38        | 0.38      | 0.008         |
|                            | Roundup RT 3L                                  | 0.4 Pints          |            |            |       | 2.10        | 2.10      | 0.045         |
|                            | 2,4-D 5.7E                                     | 0.3 Pints          |            |            |       | 0.77        | 0.77      | 0.016         |
|                            | Ammonium Sulfate                               | 0.5 Pounds         |            |            |       | 0.10        | 0.10      | 0.002         |
| 06/01/97                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20       | 0.18       | 0.49  | 0.87        | 0.87      | 0.019         |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26       | 0.09       | 0.04  | 0.38        | 0.38      | 0.008         |
|                            | Roundup RT 3L                                  | 0.8 Pints          |            |            |       | 4.19        | 4.19      | 0.089         |
|                            | 2,4-D 5.7E                                     | 0.5 Pints          |            |            |       | 1.29        | 1.29      | 0.027         |
|                            | Ammonium Sulfate                               | 1.0 Pounds         |            |            |       | 0.20        | 0.20      | 0.004         |
| 07/15/97                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20       | 0.18       | 0.49  | 0.87        | 0.87      | 0.019         |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26       | 0.09       | 0.04  | 0.38        | 0.38      | 0.008         |
|                            | Roundup RT 3L                                  | 0.4 Pints          |            |            |       | 2.10        | 2.10      | 0.045         |
|                            | 2,4-D 5.7E                                     | 0.3 Pints          |            |            |       | 0.77        | 0.77      | 0.016         |
|                            | Ammonium Sulfate                               | 0.3 Pounds         |            |            |       | 0.06        | 0.06      | 0.001         |
| 08/15/97                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20       | 0.18       | 0.49  | 0.87        | 0.87      | 0.019         |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26       | 0.09       | 0.04  | 0.38        | 0.38      | 0.008         |
|                            | Roundup RT 3L                                  | 0.8 Pints          |            |            |       | 4.19        | 4.19      | 0.089         |
|                            | 2,4-D 3.8L Amine                               | 0.5 Pints          |            |            |       | 0.79        | 0.79      | 0.017         |
|                            | Ammonium Sulfate                               | 1.0 Pounds         |            |            |       | 0.20        | 0.20      | 0.004         |
| 09/01/97                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.22       | 0.19       | 0.53  | 0.94        | 0.94      | 0.020         |
|                            | Fertilizer Sprd. 40 Ft. & Nitrogen, Dry (act.) | 75.0 Pounds        | 1.12       | 0.24       | 0.04  | 1.40        | 1.40      | 0.030         |
|                            | Phosphorous, Dry a.                            | 26.0 Pounds        |            |            |       | 19.95       | 19.95     | 0.424         |
| 09/15/97                   | Tractor 190 hp                                 | 0.1 Hrs(1.0 Times) | 1.46       | 1.19       | 0.99  | 7.51        | 7.51      | 0.160         |
|                            | No-Till Drill, 30'                             |                    | 3.97       | 2.06       | 0.07  | 3.65        | 3.65      | 0.078         |
|                            | Seed, Certified, WW                            | 52.0 Pounds        |            |            |       | 6.10        | 6.10      | 0.130         |
| 05/01/98                   | Tractor 060 hp                                 | 0.0 Hrs(1.0 Times) | 0.20       | 0.18       | 0.49  | 0.87        | 0.87      | 0.019         |
|                            | Sprayer Pull Type, 50'                         |                    | 0.26       | 0.09       | 0.04  | 0.38        | 0.38      | 0.008         |
|                            | 2,4-D 5.7E                                     | 0.8 Pints          |            |            |       | 2.06        | 2.06      | 0.044         |
| 06/15/98                   | Custom Spraying                                | 0.0 Hrs(0.2 Times) | 0.00       | 0.00       | 0.00  | 0.00        | 0.00      | 0.000         |
|                            | Aerial Spraying                                | 0.2 Acres          |            |            |       | 0.75        | 0.75      | 0.016         |
|                            | Parathion                                      | 0.1 Pounds         |            |            |       | 0.25        | 0.25      | 0.005         |
| 07/01/98                   | Custom Combine, \$15/ac.                       | 0.0 Hrs(1.0 Times) | 0.00       | 0.00       | 0.00  | 0.00        | 0.00      | 0.000         |
|                            | Custom Combine Wheat                           | 1.0 Acres          |            |            |       | 16.00       | 16.00     | 0.340         |
|                            | Trucking, \$0.15/bu                            | 47.0 Bushels       |            |            |       | 7.05        | 7.05      | 0.150         |
| TOTAL Machinery Cost ..... |  |                    |            |            |       | 19.65       | 19.65     | 0.418         |
| TOTAL Input Cost .....     |  |                    |            |            |       | 82.26       | 82.26     | 1.750         |
| TOTAL Budget Cost .....    |  |                    |            |            |       | 101.90      | 101.90    | 2.168         |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Roundup RT 3L        | Pints   | 3.20     | 16.77       | 16.77 0.357                   |
| 2,4-D 5.7E           | Pints   | 2.40     | 6.19        | 6.19 0.132                    |
| Ammonium Sulfate     | Pounds  | 3.80     | 0.76        | 0.76 0.016                    |
| 2,4-D 3.8L Amine     | Pints   | 0.50     | 0.79        | 0.79 0.017                    |
| Nitrogen, Dry (act.) | Pounds  | 75.00    | 19.95       | 19.95 0.424                   |
| Phosphorous, Dry a.  | Pounds  | 26.00    | 7.51        | 7.51 0.160                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.133                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.016                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.005                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.340                   |
| Trucking, \$0.15/bu  | Bushels | 47.00    | 7.05        | 7.05 0.150                    |
| Material Cost Total  |         |          | 82.26       | 82.26 1.750                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.39     | 4.49        | 4.49 0.096                    |
| Other Labor          | Hours   | 0.04     | 0.32        | 0.32 0.007                    |
| Labor Cost Total     |         |          | 4.81        | 4.81 0.102                    |
| Fuels Used, Diesel   | Gallons | 1.39     | 1.14        | 1.14 0.024                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 164.50   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 164.50 | 164.50             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 9.52     |        | 9.52               | 0.203              |
| 2.2 Operating Cost       | 4.18     |        | 4.18               | 0.089              |
| 2.3 Total Machinery Cost |          | 13.70  | 13.70              | 0.291              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 82.26    |        | 82.26              | 1.750              |
| 3.2 Fuel Cost            | 1.14     |        | 1.14               | 0.024              |
| 3.3 Labor Wages          | 4.81     |        | 4.81               | 0.102              |
| 3.4 Total Materials Cost |          | 88.21  | 88.21              | 1.877              |
| 4. Capital Costs         |          | 8.19   | 8.19               | 0.174              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 77.20  | 77.20              | 1.643              |
| 7. Management Fees       |          | 8.23   | 8.23               | 0.175              |
| Gross Revenues           |          | 164.50 | 164.50             | 3.50               |
| Total Costs              |          | 195.52 | 195.52             | 4.16               |
| Net Profit or Loss       |          | -31.02 | -31.02             | -0.66              |

Budget - C WW CC CT, 31.00 Bushels of Wheat, Winter  
Land is 1 acres of Central SD at Owned, Conv Tillage  
No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input         | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|----------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/10/97 | Tractor 160 hp             | 0.0 Hrs(1.0 Times) | 0.49           | 0.54           | 0.53  | 1.56           | 1.56          | 0.050            |
|          | Rent Fert. Sprd. 40 Ft. &  |                    | 0.00           | 1.68           | 0.04  | 1.72           | 1.72          | 0.056            |
|          | Nitrogen, Dry              | 51.0 Pounds        |                |                |       | 13.57          | 13.57         | 0.438            |
|          | P205                       | 18.0 Pounds        |                |                |       | 5.20           | 5.20          | 0.168            |
| 08/15/97 | Tractor 160 hp             | 0.0 Hrs(1.0 Times) | 0.57           | 0.64           | 0.63  | 1.84           | 1.84          | 0.059            |
|          | Field Cultivator 28'       |                    | 0.58           | 0.21           | 0.04  | 0.83           | 0.83          | 0.027            |
| 09/01/97 | Tractor 160 hp             | 0.1 Hrs(1.0 Times) | 1.09           | 1.22           | 1.19  | 3.50           | 3.50          | 0.113            |
|          | Grain Drill 25 Ft          |                    | 2.81           | 1.21           | 0.08  | 4.10           | 4.10          | 0.132            |
|          | Seed, Certified, WW        | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.201            |
| 05/01/98 | Custom Spraying            | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Custom Spraying            | 1.0 Acres          |                |                |       | 3.40           | 3.40          | 0.110            |
|          | 2,4-D 3.8L Amine           | 0.8 Pints          |                |                |       | 1.18           | 1.18          | 0.038            |
| 06/15/98 | Custom Spraying            | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Aerial Spraying            | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.024            |
|          | Parathion                  | 1.0 Pounds         |                |                |       | 2.50           | 2.50          | 0.081            |
| 07/10/98 | Custom Combine, \$15/ac.   | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Custom Combine Wheat       | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.516            |
|          | Trucking, \$0.15/bu        | 31.0 Bushels       |                |                |       | 4.65           | 4.65          | 0.150            |
| 08/04/98 | Tractor 160 hp             | 0.1 Hrs(1.0 Times) | 1.26           | 1.40           | 1.37  | 4.03           | 4.03          | 0.130            |
|          | Chisel Plow, 19'           |                    | 1.22           | 0.45           | 0.10  | 1.77           | 1.77          | 0.057            |
|          | TOTAL Machinery Cost ..... |                    |                |                |       | 19.36          | 19.36         | 0.625            |
|          | TOTAL Input Cost .....     |                    |                |                |       | 53.49          | 53.49         | 1.725            |
|          | TOTAL Budget Cost .....    |                    |                |                |       | 72.85          | 72.85         | 2.350            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen, Dry        | Pounds  | 51.00    | 13.57       | 13.57 0.438                   |
| P205                 | Pounds  | 18.00    | 5.20        | 5.20 0.168                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.201                    |
| Custom Spraying      | Acres   | 1.00     | 3.40        | 3.40 0.110                    |
| 2,4-D 3.8L Amine     | Pints   | 0.75     | 1.18        | 1.18 0.038                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.024                    |
| Parathion            | Pounds  | 1.00     | 2.50        | 2.50 0.081                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.516                   |
| Trucking, \$0.15/bu  | Bushels | 31.00    | 4.65        | 4.65 0.150                    |
| Material Cost Total  |         |          | 53.49       | 53.49 1.725                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.32     | 3.73        | 3.73 0.120                    |
| Other Labor          | Hours   | 0.03     | 0.27        | 0.27 0.009                    |
| Labor Cost Total     |         |          | 3.99        | 3.99 0.129                    |
| Fuels Used, Diesel   | Gallons | 2.07     | 1.70        | 1.70 0.055                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 108.50   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 108.50 | 108.50             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 8.02     |        | 8.02               | 0.259              |
| 2.2 Operating Cost       | 5.65     |        | 5.65               | 0.182              |
| 2.3 Total Machinery Cost |          | 13.67  | 13.67              | 0.441              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 53.49    |        | 53.49              | 1.725              |
| 3.2 Fuel Cost            | 1.70     |        | 1.70               | 0.055              |
| 3.3 Labor Wages          | 3.99     |        | 3.99               | 0.129              |
| 3.4 Total Materials Cost |          | 59.18  | 59.18              | 1.909              |
| 4. Capital Costs         |          | 3.72   | 3.72               | 0.120              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 38.60  | 38.60              | 1.245              |
| 7. Management Fees       |          | 5.43   | 5.43               | 0.175              |
| Gross Revenues           |          | 108.50 | 108.50             | 3.50               |
| Total Costs              |          | 120.60 | 120.60             | 3.89               |
| Net Profit or Loss       |          | -12.10 | -12.10             | -0.39              |



Budget - SC WW MECH FALLOW, 50.00 Bushels of Wheat, Winter  
Land is 1 acres of SCSD w/SFallow at Owned, field cult+chis Tillage  
No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

# Detailed Operations Cost

| Date                       | Machinery Or Input        | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------------------------|---------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96                   | Tractor 250 hp 4Wd,heavy  | 0.1 Hrs(1.0 Times) | 0.83           | 1.02           | 0.84  | 2.69           | 2.69          | 0.054            |
|                            | Chisel Plow, 31'          |                    | 1.27           | 0.45           | 0.06  | 1.78           | 1.78          | 0.036            |
| 09/15/96                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.022            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.014            |
| 05/20/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.022            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.014            |
| 06/15/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.022            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.014            |
| 07/01/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.022            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.014            |
| 08/10/97                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.019            |
|                            | Rent Fert. Sprd. 40 Ft. & |                    | 0.00           | 1.68           | 0.04  | 1.72           | 1.72          | 0.034            |
|                            | Nitrogen, Dry (act.)      | 80.0 Pounds        |                |                |       | 21.28          | 21.28         | 0.426            |
|                            | Phosphorous, Dry a.       | 28.0 Pounds        |                |                |       | 8.09           | 8.09          | 0.162            |
| 08/15/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 0.022            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.014            |
| 09/01/97                   | Tractor 250 hp 4Wd,heavy  | 0.1 Hrs(1.0 Times) | 0.73           | 0.91           | 0.75  | 2.38           | 2.38          | 0.048            |
|                            | Grain Drill Press Wheel 4 |                    | 3.29           | 1.43           | 0.05  | 4.77           | 4.77          | 0.095            |
|                            | Seed, Certified, WW       | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.125            |
| 05/01/98                   | Tractor 060 hp            | 0.0 Hrs(1.0 Times) | 0.19           | 0.17           | 0.46  | 0.81           | 0.81          | 0.016            |
|                            | Sprayer Pull Type, 50'    |                    | 0.24           | 0.09           | 0.03  | 0.36           | 0.36          | 0.007            |
|                            | 2,4-D 3.8E                | 0.8 Pints          |                |                |       | 1.39           | 1.39          | 0.028            |
| 06/15/98                   | Custom Spraying           | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Aerial Spraying           | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.015            |
|                            | Parathion                 | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.005            |
| 07/01/98                   | Custom Combine, \$15/ac.  | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|                            | Custom Combine Wheat      | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.320            |
|                            | Trucking, \$0.15/bu       | 50.0 Bushels       |                |                |       | 7.50           | 7.50          | 0.150            |
| TOTAL Machinery Cost ..... |                           |                    |                |                |       | 24.45          | 24.45         | 0.489            |
| TOTAL Input Cost .....     |                           |                    |                |                |       | 61.50          | 61.50         | 1.230            |
| TOTAL Budget Cost .....    |                           |                    |                |                |       | 85.95          | 85.95         | 1.719            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |       |
|----------------------|---------|----------|-------------|-------------------------------|-------|
| Materials Used       |         |          |             |                               |       |
| Nitrogen, Dry (act.) | Pounds  | 80.00    | 21.28       | 21.28                         | 0.426 |
| Phosphorous, Dry a.  | Pounds  | 28.00    | 8.09        | 8.09                          | 0.162 |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24                          | 0.125 |
| 2,4-D 3.8E           | Pints   | 0.75     | 1.39        | 1.39                          | 0.028 |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75                          | 0.015 |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25                          | 0.005 |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00                         | 0.320 |
| Trucking, \$0.15/bu  | Bushels | 50.00    | 7.50        | 7.50                          | 0.150 |
| Material Cost Total  |         |          | 61.50       | 61.50                         | 1.230 |
| Labor Used           |         |          |             |                               |       |
| Machinery Labor      | Hours   | 0.38     | 4.33        | 4.33                          | 0.087 |
| Other Labor          | Hours   | 0.03     | 0.31        | 0.31                          | 0.006 |
| Labor Cost Total     |         |          | 4.64        | 4.64                          | 0.093 |
| Fuels Used, Diesel   | Gallons | 3.11     | 2.55        | 2.55                          | 0.051 |

Cost Cost

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 175.00   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 175.00 | 175.00             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 10.65    |        | 10.65              | 0.213              |
| 2.2 Operating Cost       | 6.60     |        | 6.60               | 0.132              |
| 2.3 Total Machinery Cost |          | 17.25  | 17.25              | 0.345              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 61.50    |        | 61.50              | 1.230              |
| 3.2 Fuel Cost            | 2.55     |        | 2.55               | 0.051              |
| 3.3 Labor Wages          | 4.64     |        | 4.64               | 0.093              |

Budget - SC WW CHEM FALLOW, NO TIL, 52.00 Bushels of Wheat, Winter  
Land is 1 acres of SCSD w/SFallow at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input                                | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|---|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.017            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.007            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.081            |
|          | 2,4-D 5.7E  | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.025            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.004            |
| 09/15/96 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.017            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.007            |
|          | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.040            |
|          | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.015            |
|          | Ammonium Sulfate                                  | 0.5 Pounds         |                |                |       | 0.10           | 0.10          | 0.002            |
| 06/01/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.017            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.007            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.081            |
|          | 2,4-D 5.7E  | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 0.025            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.004            |
| 07/15/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.017            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.007            |
|          | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.040            |
|          | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.015            |
|          | Ammonium Sulfate                                  | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.001            |
| 08/15/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.017            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.007            |
|          | Roundup RT 3L                                     | 0.8 Pints          |                |                |       | 4.19           | 4.19          | 0.081            |
|          | 2,4-D 3.8L Amine                                  | 0.5 Pints          |                |                |       | 0.79           | 0.79          | 0.015            |
|          | Ammonium Sulfate                                  | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.004            |
| 09/01/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.018            |
|          | Fertilizer Sprd. 40 Ft. &<br>Nitrogen, Dry (act.) | 83.0 Pounds        | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.027            |
|          | Phosphorous, Dry a.                               | 29.0 Pounds        |                |                |       | 22.08          | 22.08         | 0.425            |
| 09/15/97 | Tractor 190 hp                                    | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 3.65           | 3.65          | 0.070            |
|          | No-Till Drill, 30'                                |                    | 3.97           | 2.06           | 0.07  | 6.10           | 6.10          | 0.117            |
|          | Seed, Certified, WW                               | 52.0 Pounds        |                |                |       | 6.24           | 6.24          | 0.120            |
| 05/01/98 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.017            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.007            |
|          | 2,4-D 5.7E  | 0.8 Pints          |                |                |       | 2.06           | 2.06          | 0.040            |
| 06/15/98 | Custom Spraying                                   | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Aerial Spraying                                   | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.014            |
|          | Parathion   | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.005            |
| 07/01/98 | Custom Combine, \$15/ac.                          | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Custom Combine Wheat                              | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.308            |
|          | Trucking, \$0.15/bu                               | 52.0 Bushels       |                |                |       | 7.80           | 7.80          | 0.150            |
|          | TOTAL Machinery Cost .....                        |                    |                |                |       | 19.65          | 19.65         | 0.378            |
|          | TOTAL Input Cost .....                            |                    |                |                |       | 86.00          | 86.00         | 1.654            |
|          | TOTAL Budget Cost .....                           |                    |                |                |       | 105.65         | 105.65        | 2.032            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Roundup RT 3L        | Pints   | 3.20     | 16.77       | 16.77 0.322                   |
| 2,4-D 5.7E           | Pints   | 2.40     | 6.19        | 6.19 0.119                    |
| Ammonium Sulfate     | Pounds  | 3.80     | 0.76        | 0.76 0.015                    |
| 2,4-D 3.8L Amine     | Pints   | 0.50     | 0.79        | 0.79 0.015                    |
| Nitrogen, Dry (act.) | Pounds  | 83.00    | 22.08       | 22.08 0.425                   |
| Phosphorous, Dry a.  | Pounds  | 29.00    | 8.38        | 8.38 0.161                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.120                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.014                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.005                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.308                   |
| Trucking, \$0.15/bu  | Bushels | 52.00    | 7.80        | 7.80 0.150                    |
| Material Cost Total  |         |          | 86.00       | 86.00 1.654                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.39     | 4.49        | 4.49 0.086                    |
| Other Labor          | Hours   | 0.04     | 0.32        | 0.32 0.006                    |
| Labor Cost Total     |         |          | 4.81        | 4.81 0.093                    |
| Fuels Used, Diesel   | Gallons | 1.39     | 1.14        | 1.14 0.022                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount Per Acre | Amount Per Unit |
|--------------------------|----------|--------|-----------------|-----------------|
| 1. Gross Revenues        |          |        |                 |                 |
| 1.1 Wheat, Winter        | 182.00   |        |                 |                 |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                 |                 |
| 1.3 Total Crop Revenue   |          | 182.00 | 182.00          | 3.500           |
| 2. Machinery Cost        |          |        |                 |                 |
| 2.1 Ownership Cost       | 9.52     |        | 9.52            | 0.183           |
| 2.2 Operating Cost       | 4.18     |        | 4.18            | 0.080           |
| 2.3 Total Machinery Cost |          | 13.70  | 13.70           | 0.263           |
| 3. Materials Cost        |          |        |                 |                 |
| 3.1 Materials            | 86.00    |        | 86.00           | 1.654           |
| 3.2 Fuel Cost            | 1.14     |        | 1.14            | 0.022           |
| 3.3 Labor Wages          | 4.81     |        | 4.81            | 0.093           |
| 3.4 Total Materials Cost |          | 91.95  | 91.95           | 1.768           |
| 4. Capital Costs         |          | 8.50   | 8.50            | 0.163           |
| 5. Drying Costs          |          | 0.00   | 0.00            | 0.000           |
| 6. Land Charges          |          | 69.60  | 69.60           | 1.338           |
| 7. Management Fees       |          | 9.10   | 9.10            | 0.175           |
| Gross Revenues           |          | 182.00 | 182.00          | 3.50            |
| Total Costs              |          | 192.84 | 192.84          | 3.71            |
| Net Profit or Loss       |          | -10.84 | -10.84          | -0.21           |

Budget - SC WW CC NT, NO TILL, 29.00 Bushels of Wheat, Winter  
Land is 1 acres of South Central SD at Owned, None Tillage  
Residue Mgmt is No-Till, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input                                | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|---|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/15/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.030            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.013            |
|          | Roundup RT 3L                                     | 0.4 Pints          |                |                |       | 2.10           | 2.10          | 0.072            |
|          | 2,4-D 5.7E  | 0.3 Pints          |                |                |       | 0.77           | 0.77          | 0.027            |
|          | Ammonium Sulfate                                  | 0.3 Pounds         |                |                |       | 0.06           | 0.06          | 0.002            |
| 09/01/97 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.22           | 0.19           | 0.53  | 0.94           | 0.94          | 0.032            |
|          | Fertilizer Sprd. 40 Ft. &<br>Nitrogen, Dry (act.) | 46.0 Pounds        | 1.12           | 0.24           | 0.04  | 1.40           | 1.40          | 0.048            |
|          | Phosphorous, Dry a.                               | 16.0 Pounds        |                |                |       | 12.24          | 12.24         | 0.422            |
| 09/15/97 | Tractor 190 hp                                    | 0.1 Hrs(1.0 Times) | 1.46           | 1.19           | 0.99  | 4.62           | 4.62          | 0.159            |
|          | No-Till Drill, 30'                                |                    | 3.97           | 2.06           | 0.07  | 3.65           | 3.65          | 0.126            |
|          | Seed, Certified, WW                               | 52.0 Pounds        |                |                |       | 6.10           | 6.10          | 0.210            |
| 05/01/98 | Tractor 060 hp                                    | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 6.24           | 6.24          | 0.215            |
|          | Sprayer Pull Type, 50'                            |                    | 0.26           | 0.09           | 0.04  | 0.87           | 0.87          | 0.030            |
|          | 2,4-D 5.7E  | 0.8 Pints          |                |                |       | 0.38           | 0.38          | 0.013            |
| 06/15/98 | Custom Spraying                                   | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 2.06           | 2.06          | 0.071            |
|          | Aerial Spraying                                   | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.026            |
|          | Parathion   | 0.1 Pounds         |                |                |       | 0.25           | 0.25          | 0.009            |
| 07/01/98 | Custom Combine, \$15/ac.                          | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Custom Combine Wheat                              | 1.0 Acres          |                |                |       | 16.00          | 16.00         | 0.552            |
|          | Trucking, \$0.15/bu                               | 29.0 Bushels       |                |                |       | 4.35           | 4.35          | 0.150            |
|          | TOTAL Machinery Cost .....                        |                    |                |                |       | 14.61          | 14.61         | 0.504            |
|          | TOTAL Input Cost .....                            |                    |                |                |       | 49.44          | 49.44         | 1.705            |
|          | TOTAL Budget Cost .....                           |                    |                |                |       | 64.05          | 64.05         | 2.209            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Roundup RT 3L        | Pints   | 0.40     | 2.10        | 2.10 0.072                    |
| 2,4-D 5.7E           | Pints   | 1.10     | 2.84        | 2.84 0.098                    |
| Ammonium Sulfate     | Pounds  | 0.30     | 0.06        | 0.06 0.002                    |
| Nitrogen, Dry (act.) | Pounds  | 46.00    | 12.24       | 12.24 0.422                   |
| Phosphorous, Dry a.  | Pounds  | 16.00    | 4.62        | 4.62 0.159                    |
| Seed, Certified, WW  | Pounds  | 52.00    | 6.24        | 6.24 0.215                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.026                    |
| Parathion            | Pounds  | 0.10     | 0.25        | 0.25 0.009                    |
| Custom Combine Wheat | Acres   | 1.00     | 16.00       | 16.00 0.552                   |
| Trucking, \$0.15/bu  | Bushels | 29.00    | 4.35        | 4.35 0.150                    |
| Material Cost Total  |         |          | 49.44       | 49.44 1.705                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.22     | 2.52        | 2.52 0.087                    |
| Other Labor          | Hours   | 0.02     | 0.18        | 0.18 0.006                    |
| Labor Cost Total     |         |          | 2.70        | 2.70 0.093                    |
| Fuels Used, Diesel   | Gallons | 0.97     | 0.80        | 0.80 0.028                    |

# Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 101.50   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 101.50 | 101.50             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 7.69     |        | 7.69               | 0.265              |
| 2.2 Operating Cost       | 3.43     |        | 3.43               | 0.118              |
| 2.3 Total Machinery Cost |          | 11.12  | 11.12              | 0.383              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 49.44    |        | 49.44              | 1.705              |
| 3.2 Fuel Cost            | 0.80     |        | 0.80               | 0.028              |
| 3.3 Labor Wages          | 2.70     |        | 2.70               | 0.093              |
| 3.4 Total Materials Cost |          | 52.94  | 52.94              | 1.825              |
| 4. Capital Costs         |          | 3.43   | 3.43               | 0.118              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 34.80  | 34.80              | 1.200              |
| 7. Management Fees       |          | 5.07   | 5.07               | 0.175              |
| Gross Revenues           |          | 101.50 | 101.50             | 3.50               |
| Total Costs              |          | 107.35 | 107.35             | 3.70               |
| Net Profit or Loss       |          | -5.85  | -5.85              | -0.20              |

Budget - NE WW CC. 36.00 Bushels of Wheat, Winter  
 Land is 1 acres of Northeast SD at Owned, Conventional Tillage  
 No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
 Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input                           | Units Applied      | Owner-ship | Oper-ating | Labor | Total Costs | Cost/Acre | Cost per Unit |
|----------|--|--------------------|------------|------------|-------|-------------|-----------|---------------|
| 08/10/97 | Tractor 075 hp                               | 0.0 Hrs(1.0 Times) | 0.28       | 0.25       | 0.53  | 1.06        | 1.06      | 0.029         |
|          | Rent Fert. Sprd. 40 Ft. & Nitrogen, Dry P205 | 58.0 Pounds        | 0.00       | 1.68       | 0.04  | 1.72        | 1.72      | 0.048         |
|          |  | 20.0 Pounds        |            |            |       | 15.43       | 15.43     | 0.429         |
| 08/15/97 | Tractor 140 hp                               | 0.1 Hrs(1.0 Times) | 0.98       | 0.60       | 0.91  | 5.78        | 5.78      | 0.161         |
|          | Disk - Tandem 27'                            | 0.2 Hrs(1.0 Times) | 1.76       | 0.45       | 0.06  | 2.49        | 2.49      | 0.069         |
| 09/01/97 | Tractor 075 hp                               |                    | 1.22       | 1.07       | 2.32  | 2.28        | 2.28      | 0.063         |
|          | Grain Drill Press Wheel 1                    |                    | 3.29       | 1.54       | 0.17  | 4.61        | 4.61      | 0.128         |
|          | Seed, Certified, WW                          |                    |            |            |       | 4.99        | 4.99      | 0.139         |
| 05/01/98 | Custom Spraying                              | 60.0 Pounds        | 0.00       | 0.00       | 0.00  | 7.20        | 7.20      | 0.200         |
|          | Custom Spraying                              | 0.0 Hrs(1.0 Times) |            |            |       | 0.00        | 0.00      | 0.000         |
|          | 2,4-D 3.8L Amine                             | 1.0 Acres          |            |            |       | 3.40        | 3.40      | 0.094         |
| 06/15/98 | Custom Spraying                              | 0.8 Pints          |            |            |       | 1.18        | 1.18      | 0.033         |
|          | Aerial Spraying                              | 0.0 Hrs(0.2 Times) | 0.00       | 0.00       | 0.00  | 0.00        | 0.00      | 0.000         |
|          | Parathion                                    | 0.2 Acres          |            |            |       | 0.75        | 0.75      | 0.021         |
| 07/10/98 | Combine, Medium                              | 1.0 Pounds         | 9.87       | 4.08       | 2.71  | 2.50        | 2.50      | 0.069         |
|          | Combine Platform w/pk ree                    | 0.2 Hrs(1.0 Times) | 1.65       | 0.32       | 0.18  | 16.66       | 16.66     | 0.463         |
|          | Trucking, \$0.15/bu                          |                    |            |            |       | 2.14        | 2.14      | 0.059         |
| 08/04/98 | Tractor 140 hp                               | 36.0 Bushels       | 1.65       | 1.02       | 1.53  | 5.40        | 5.40      | 0.150         |
|          | Chisel Plow, 17'                             | 0.1 Hrs(1.0 Times) | 0.87       | 0.32       | 0.11  | 4.21        | 4.21      | 0.117         |
|          |  |                    |            |            |       | 1.30        | 1.30      | 0.036         |
|          | TOTAL Machinery Cost                         |                    |            |            |       | 41.46       | 41.46     | 1.152         |
|          | TOTAL Input Cost                             |                    |            |            |       | 41.64       | 41.64     | 1.157         |
|          | TOTAL Budget Cost                            |                    |            |            |       | 83.09       | 83.09     | 2.308         |

# Material Usage Report

| Material            | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|---------------------|---------|----------|-------------|-------------------------------|
| Materials Used      |         |          |             |                               |
| Nitrogen, Dry       | Pounds  | 58.00    | 15.43       | 15.43 0.429                   |
| P205                | Pounds  | 20.00    | 5.78        | 5.78 0.161                    |
| Seed, Certified, WW | Pounds  | 60.00    | 7.20        | 7.20 0.200                    |
| Custom Spraying     | Acres   | 1.00     | 3.40        | 3.40 0.094                    |
| 2,4-D 3.8L Amine    | Pints   | 0.75     | 1.18        | 1.18 0.033                    |
| Aerial Spraying     | Acres   | 0.20     | 0.75        | 0.75 0.021                    |
| Parathion           | Pounds  | 1.00     | 2.50        | 2.50 0.069                    |
| Trucking, \$0.15/bu | Bushels | 36.00    | 5.40        | 5.40 0.150                    |
| Material Cost Total |         |          | 41.64       | 41.64 1.157                   |
| Labor Used          |         |          |             |                               |
| Machinery Labor     | Hours   | 0.70     | 8.01        | 8.01 0.222                    |
| Other Labor         | Hours   | 0.06     | 0.55        | 0.55 0.015                    |
| Labor Cost Total    |         |          | 8.56        | 8.56 0.238                    |
| Fuels Used, Diesel  | Gallons | 2.97     | 2.44        | 2.44 0.068                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 126.00   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 126.00 | 126.00             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 21.57    |        | 21.57              | 0.599              |
| 2.2 Operating Cost       | 8.89     |        | 8.89               | 0.247              |
| 2.3 Total Machinery Cost |          | 30.46  | 30.46              | 0.846              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 41.64    |        | 41.64              | 1.157              |
| 3.2 Fuel Cost            | 2.44     |        | 2.44               | 0.068              |
| 3.3 Labor Wages          | 8.56     |        | 8.56               | 0.238              |
| 3.4 Total Materials Cost |          | 52.63  | 52.63              | 1.462              |
| 4. Capital Costs         |          | 4.17   | 4.17               | 0.116              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 53.50  | 53.50              | 1.486              |
| 7. Management Fees       |          | 6.30   | 6.30               | 0.175              |
| Gross Revenues           |          | 126.00 | 126.00             | 3.50               |
| Total Costs              |          | 147.06 | 147.06             | 4.09               |
| Net Profit or Loss       |          | -21.06 | -21.06             | -0.59              |



Budget - EC WW CC, 36.00 Bushels of Wheat, Winter  
Land is 1 acres of East Central SD at Owned, Conventional Tillage  
No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input                                | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|---|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/10/97 | Tractor 075 hp                                    | 0.0 Hrs(1.0 Times) | 0.28           | 0.25           | 0.53  | 1.06           | 1.06          | 0.029            |
|          | Rent Fert. Sprd. 40 Ft. &<br>Nitrogen, Dry (act.) | 58.0 Pounds        | 0.00           | 1.68           | 0.04  | 1.72           | 1.72          | 0.048            |
|          | P205 (lbs. act.)                                  | 20.0 Pounds        |                |                |       | 15.43          | 15.43         | 0.429            |
| 08/15/97 | Tractor 140 hp                                    | 0.1 Hrs(1.0 Times) | 0.98           | 0.60           | 0.91  | 5.78           | 5.78          | 0.161            |
|          | Disk - Tandem 27'                                 |                    | 1.76           | 0.45           | 0.06  | 2.49           | 2.49          | 0.069            |
| 09/01/97 | Tractor 075 hp                                    | 0.2 Hrs(1.0 Times) | 1.22           | 1.07           | 2.32  | 2.28           | 2.28          | 0.063            |
|          | Grain Drill Press Wheel 1                         |                    | 3.29           | 1.54           | 0.17  | 4.61           | 4.61          | 0.128            |
|          | Seed, Certified, WW                               | 60.0 Pounds        |                |                |       | 4.99           | 4.99          | 0.139            |
| 05/01/98 | Custom Spraying                                   | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 7.20           | 7.20          | 0.200            |
|          | Custom Spraying                                   | 1.0 Acres          |                |                |       | 0.00           | 0.00          | 0.000            |
|          | 2,4-D 3.8L Amine                                  | 0.8 Pints          |                |                |       | 3.40           | 3.40          | 0.094            |
| 06/15/98 | Custom Spraying                                   | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 1.18           | 1.18          | 0.033            |
|          | Aerial Spraying                                   | 0.2 Acres          |                |                |       | 0.00           | 0.00          | 0.000            |
|          | Parathion   | 1.0 Pounds         |                |                |       | 0.75           | 0.75          | 0.021            |
| 07/10/98 | Combine, Medium                                   | 0.2 Hrs(1.0 Times) | 9.87           | 4.08           | 2.71  | 2.50           | 2.50          | 0.069            |
|          | Combine Platform w/pk ree                         |                    | 1.65           | 0.32           | 0.18  | 16.66          | 16.66         | 0.463            |
|          | Trucking, \$0.15/bu                               | 36.0 Bushels       |                |                |       | 2.14           | 2.14          | 0.059            |
| 08/04/98 | Tractor 140 hp                                    | 0.1 Hrs(1.0 Times) | 1.65           | 1.02           | 1.53  | 5.40           | 5.40          | 0.150            |
|          | Chisel Plow, 17'                                  |                    | 0.87           | 0.32           | 0.11  | 4.21           | 4.21          | 0.117            |
|          |   |                    |                |                |       | 1.30           | 1.30          | 0.036            |
|          | TOTAL Machinery Cost .....                        |                    |                |                |       | 41.46          | 41.46         | 1.152            |
|          | TOTAL Input Cost .....                            |                    |                |                |       | 41.64          | 41.64         | 1.157            |
|          | TOTAL Budget Cost .....                           |                    |                |                |       | 83.09          | 83.09         | 2.308            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen, Dry (act.) | Pounds  | 58.00    | 15.43       | 15.43 0.429                   |
| P205 (lbs. act.)     | Pounds  | 20.00    | 5.78        | 5.78 0.161                    |
| Seed, Certified, WW  | Pounds  | 60.00    | 7.20        | 7.20 0.200                    |
| Custom Spraying      | Acres   | 1.00     | 3.40        | 3.40 0.094                    |
| 2,4-D 3.8L Amine     | Pints   | 0.75     | 1.18        | 1.18 0.033                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.021                    |
| Parathion            | Pounds  | 1.00     | 2.50        | 2.50 0.069                    |
| Trucking, \$0.15/bu  | Bushels | 36.00    | 5.40        | 5.40 0.150                    |
| Material Cost Total  |         |          | 41.64       | 41.64 1.157                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.70     | 8.01        | 8.01 0.222                    |
| Other Labor          | Hours   | 0.06     | 0.55        | 0.55 0.015                    |
| Labor Cost Total     |         |          | 8.56        | 8.56 0.238                    |
| Fuels Used           |         |          |             |                               |
| Diesel               | Gallons | 2.97     | 2.44        | 2.44 0.068                    |
| Fuel Cost Total      |         |          | 2.44        | 2.44 0.068                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 126.00   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 126.00 | 126.00             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 21.57    |        | 21.57              | 0.599              |
| 2.2 Operating Cost       | 8.89     |        | 8.89               | 0.247              |
| 2.3 Total Machinery Cost |          | 30.46  | 30.46              | 0.846              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 41.64    |        | 41.64              | 1.157              |
| 3.2 Fuel Cost            | 2.44     |        | 2.44               | 0.068              |
| 3.3 Labor Wages          | 8.56     |        | 8.56               | 0.238              |
| 3.4 Total Materials Cost |          | 52.63  | 52.63              | 1.462              |
| 4. Capital Costs         |          | 4.17   | 4.17               | 0.116              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 69.90  | 69.90              | 1.942              |
| 7. Management Fees       |          | 6.30   | 6.30               | 0.175              |
| Gross Revenues           |          | 126.00 | 126.00             | 3.50               |
| Total Costs              |          | 163.46 | 163.46             | 4.54               |
| Net Profit or Loss       |          | -37.46 | -37.46             | -1.04              |

Budget - SE WW CC, 39.00 Bushels of Wheat, Winter  
Land is 1 acres of Southeast SD at Owned, Conventional Tillage  
No Residue Management, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input         | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|----------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/10/97 | Tractor 075 hp             | 0.0 Hrs(1.0 Times) | 0.28           | 0.25           | 0.53  | 1.06           | 1.06          | 0.027            |
|          | Rent Fert. Sprd. 40 Ft. &  |                    | 0.00           | 1.68           | 0.04  | 1.72           | 1.72          | 0.044            |
|          | Nitrogen, Dry (act.)       | 62.0 Pounds        |                |                |       | 16.49          | 16.49         | 0.423            |
|          | P205 (lbs. act.)           | 22.0 Pounds        |                |                |       | 6.36           | 6.36          | 0.163            |
| 08/15/97 | Tractor 140 hp             | 0.1 Hrs(1.0 Times) | 0.98           | 0.60           | 0.91  | 2.49           | 2.49          | 0.064            |
|          | Disk - Tandem 27'          |                    | 1.76           | 0.45           | 0.06  | 2.28           | 2.28          | 0.058            |
| 09/01/97 | Tractor 075 hp             | 0.2 Hrs(1.0 Times) | 1.22           | 1.07           | 2.32  | 4.61           | 4.61          | 0.118            |
|          | Grain Drill Press Wheel 1  |                    | 3.29           | 1.54           | 0.17  | 4.99           | 4.99          | 0.128            |
|          | Seed, Certified, WW        | 60.0 Pounds        |                |                |       | 7.20           | 7.20          | 0.185            |
| 05/01/98 | Custom Spraying            | 0.0 Hrs(1.0 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Custom Spraying            | 1.0 Acres          |                |                |       | 3.40           | 3.40          | 0.087            |
|          | 2,4-D 3.8L Amine           | 0.8 Pints          |                |                |       | 1.18           | 1.18          | 0.030            |
| 06/15/98 | Custom Spraying            | 0.0 Hrs(0.2 Times) | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | Aerial Spraying            | 0.2 Acres          |                |                |       | 0.75           | 0.75          | 0.019            |
|          | Parathion                  | 1.0 Pounds         |                |                |       | 2.50           | 2.50          | 0.064            |
|          | TOTAL Machinery Cost       |                    | 0.00           | 0.00           | 0.00  | 0.00           | 0.00          | 0.000            |
|          | TOTAL Input Costs          |                    |                |                |       | 3.25           | 3.25          | 0.083            |
| 07/10/98 | Combine, Medium            | 0.2 Hrs(1.0 Times) | 9.87           | 4.08           | 2.71  | 16.66          | 16.66         | 0.427            |
|          | Combine Platform w/pk ree  |                    | 1.65           | 0.32           | 0.18  | 2.14           | 2.14          | 0.055            |
|          | Trucking, \$0.15/bu        | 39.0 Bushels       |                |                |       | 5.85           | 5.85          | 0.150            |
| 08/04/98 | Tractor 140 hp             | 0.1 Hrs(1.0 Times) | 1.65           | 1.02           | 1.53  | 4.21           | 4.21          | 0.108            |
|          | Chisel Plow, 17'           |                    | 0.87           | 0.32           | 0.11  | 1.30           | 1.30          | 0.033            |
|          | TOTAL Machinery Cost ..... |                    |                |                |       | 41.46          | 41.46         | 1.063            |
|          | TOTAL Input Cost .....     |                    |                |                |       | 43.73          | 43.73         | 1.121            |
|          | TOTAL Budget Cost .....    |                    |                |                |       | 85.19          | 85.19         | 2.184            |

# Material Usage Report

| Material             | Units   | Quantity | Total Costs | --- Cost Per ---<br>Acre Unit |
|----------------------|---------|----------|-------------|-------------------------------|
| Materials Used       |         |          |             |                               |
| Nitrogen, Dry (act.) | Pounds  | 62.00    | 16.49       | 16.49 0.423                   |
| P205 (lbs. act.)     | Pounds  | 22.00    | 6.36        | 6.36 0.163                    |
| Seed, Certified, WW  | Pounds  | 60.00    | 7.20        | 7.20 0.185                    |
| Custom Spraying      | Acres   | 1.00     | 3.40        | 3.40 0.087                    |
| 2,4-D 3.8L Amine     | Pints   | 0.75     | 1.18        | 1.18 0.030                    |
| Aerial Spraying      | Acres   | 0.20     | 0.75        | 0.75 0.019                    |
| Parathion            | Pounds  | 1.00     | 2.50        | 2.50 0.064                    |
| Trucking, \$0.15/bu  | Bushels | 39.00    | 5.85        | 5.85 0.150                    |
| Material Cost Total  |         |          | 43.73       | 43.73 1.121                   |
| Labor Used           |         |          |             |                               |
| Machinery Labor      | Hours   | 0.70     | 8.01        | 8.01 0.205                    |
| Other Labor          | Hours   | 0.06     | 0.55        | 0.55 0.014                    |
| Labor Cost Total     |         |          | 8.56        | 8.56 0.220                    |
| Fuels Used Diesel    | Gallons | 2.97     | 2.44        | 2.44 0.062                    |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount<br>Per Acre | Amount<br>Per Unit |
|--------------------------|----------|--------|--------------------|--------------------|
| 1. Gross Revenues        |          |        |                    |                    |
| 1.1 Wheat, Winter        | 136.50   |        |                    |                    |
| 1.2 Wheat Gov. Payment   | 0.00     |        |                    |                    |
| 1.3 Total Crop Revenue   |          | 136.50 | 136.50             | 3.500              |
| 2. Machinery Cost        |          |        |                    |                    |
| 2.1 Ownership Cost       | 21.57    |        | 21.57              | 0.553              |
| 2.2 Operating Cost       | 8.89     |        | 8.89               | 0.228              |
| 2.3 Total Machinery Cost |          | 30.46  | 30.46              | 0.781              |
| 3. Materials Cost        |          |        |                    |                    |
| 3.1 Materials            | 43.73    |        | 43.73              | 1.121              |
| 3.2 Fuel Cost            | 2.44     |        | 2.44               | 0.062              |
| 3.3 Labor Wages          | 8.56     |        | 8.56               | 0.220              |
| 3.4 Total Materials Cost |          | 54.73  | 54.73              | 1.403              |
| 4. Capital Costs         |          | 4.34   | 4.34               | 0.111              |
| 5. Drying Costs          |          | 0.00   | 0.00               | 0.000              |
| 6. Land Charges          |          | 77.70  | 77.70              | 1.992              |
| 7. Management Fees       |          | 6.82   | 6.82               | 0.175              |
| Gross Revenues           |          | 136.50 | 136.50             | 3.50               |
| Total Costs              |          | 174.05 | 174.05             | 4.46               |
| Net Profit or Loss       |          | -37.55 | -37.55             | -0.96              |

Budget - Mechanical Fallow after Winter Wheat  
Land is 1 acres of South Central SD at Owned, Conv. Tillage Tillage  
Residue Mgmt is Non- Compliance, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date                       | Machinery Or Input        | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------------------------|---------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 1.121            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.677            |
| 09/15/96                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.61           | 0.75           | 0.62  | 1.98           | 1.98          | 1.982            |
|                            | Disk - Tandem 33'         |                    | 1.51           | 0.24           | 0.04  | 1.80           | 1.80          | 1.795            |
| 05/20/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 1.121            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.677            |
| 06/15/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 1.121            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.677            |
| 07/01/97                   | Tractor 250 hp 4Wd,heavy  | 0.0 Hrs(1.0 Times) | 0.34           | 0.43           | 0.35  | 1.12           | 1.12          | 1.121            |
|                            | Field Cultivator 50',heav |                    | 0.43           | 0.22           | 0.02  | 0.68           | 0.68          | 0.677            |
| TOTAL Machinery Cost ..... |                           |                    |                |                |       | 10.97          | 10.97         | 10.970           |
| TOTAL Input Cost .....     |                           |                    |                |                |       | 0.00           | 0.00          | 0.000            |
| TOTAL Budget Cost .....    |                           |                    |                |                |       | 10.97          | 10.97         | 10.970           |

# Material Usage Report

| Material           | Units   | Quantity | Total Costs | Cost Per Acre | Cost Per Unit |
|--------------------|---------|----------|-------------|---------------|---------------|
| Labor Used         |         |          |             |               |               |
| Machinery Labor    | Hours   | 0.18     | 2.02        | 2.02          | 2.023         |
| Other Labor        | Hours   | 0.02     | 0.14        | 0.14          | 0.144         |
| Labor Cost Total   |         |          | 2.17        | 2.17          | 2.167         |
| Fuels Used, Diesel | Gallons | 1.76     | 1.44        | 1.44          | 1.443         |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount Per Acre | Amount Per Unit |
|--------------------------|----------|--------|-----------------|-----------------|
| 1. Gross Revenues        |          |        |                 |                 |
| 1.1 Setaside/Fallow,\$0  | 0.00     |        |                 |                 |
| 1.2 Total Crop Revenue   |          | 0.00   | 0.00            | 0.000           |
| 2. Machinery Cost        |          |        |                 |                 |
| 2.1 Ownership Cost       | 5.24     |        | 5.24            | 5.238           |
| 2.2 Operating Cost       | 2.12     |        | 2.12            | 2.122           |
| 2.3 Total Machinery Cost |          | 7.36   | 7.36            | 7.360           |
| 3. Materials Cost        |          |        |                 |                 |
| 3.1 Materials            | 0.00     |        | 0.00            | 0.000           |
| 3.2 Fuel Cost            | 1.44     |        | 1.44            | 1.443           |
| 3.3 Labor Wages          | 2.17     |        | 2.17            | 2.167           |
| 3.4 Total Materials Cost |          | 3.61   | 3.61            | 3.610           |
| 4. Capital Costs         |          | 1.19   | 1.19            | 1.188           |
| 5. Drying Costs          |          | 0.00   | 0.00            | 0.000           |
| 6. Land Charges          |          | 34.80  | 34.80           | 34.800          |
| 7. Management Fees       |          | 0.00   | 0.00            | 0.000           |
| Gross Revenues           |          | 0.00   | 0.00            | 0.00            |
| Total Costs              |          | 46.96  | 46.96           | 46.96           |
| Net Profit or Loss       |          | -46.96 | -46.96          | -46.96          |

Budget - Chemical Fallow after Winter Wheat  
Land is 1 acres of South Central SD at Owned, No or Min. Till Tillage  
Residue Mgmt is BCS, No Conservation Plan, Mgmt Charge Based On Gross Returns  
Prepared for Planning Purposes Only.

Detailed Operations Cost

| Date     | Machinery Or Input         | Units Applied      | Owner-<br>ship | Oper-<br>ating | Labor | Total<br>Costs | Cost/<br>Acre | Cost per<br>Unit |
|----------|----------------------------|--------------------|----------------|----------------|-------|----------------|---------------|------------------|
| 08/01/96 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.874            |
|          | Sprayer Pull Type, 50'     |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.385            |
|          | Roundup RT 3L              | 0.8 Pints          |                |                |       | 3.93           | 3.93          | 3.930            |
|          | 2,4-D 5.7E                 | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 1.290            |
|          | Ammonium Sulfate           | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.200            |
| 09/15/96 | Tractor 060 hp             | 0.0 Hrs(0.5 Times) | 0.10           | 0.09           | 0.25  | 0.44           | 0.44          | 0.437            |
|          | Sprayer Pull Type, 50'     |                    | 0.13           | 0.05           | 0.02  | 0.19           | 0.19          | 0.192            |
|          | Roundup RT 3L              | 0.4 Pints          |                |                |       | 1.97           | 1.97          | 1.965            |
|          | 2,4-D 5.7E                 | 0.3 Pints          |                |                |       | 0.64           | 0.64          | 0.645            |
|          | Ammonium Sulfate           | 0.5 Pounds         |                |                |       | 0.10           | 0.10          | 0.100            |
| 06/01/97 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.874            |
|          | Sprayer Pull Type, 50'     |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.385            |
|          | Roundup RT 3L              | 0.8 Pints          |                |                |       | 3.93           | 3.93          | 3.930            |
|          | 2,4-D 5.7E                 | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 1.290            |
|          | Ammonium Sulfate           | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.200            |
| 07/01/97 | Tractor 060 hp             | 0.0 Hrs(0.5 Times) | 0.10           | 0.09           | 0.25  | 0.44           | 0.44          | 0.437            |
|          | Sprayer Pull Type, 50'     |                    | 0.13           | 0.05           | 0.02  | 0.19           | 0.19          | 0.192            |
|          | Roundup RT 3L              | 0.4 Pints          |                |                |       | 1.97           | 1.97          | 1.965            |
|          | 2,4-D 5.7E                 | 0.3 Pints          |                |                |       | 0.64           | 0.64          | 0.645            |
|          | Ammonium Sulfate           | 0.3 Pounds         |                |                |       | 0.05           | 0.05          | 0.050            |
| 07/15/97 | Tractor 060 hp             | 0.0 Hrs(1.0 Times) | 0.20           | 0.18           | 0.49  | 0.87           | 0.87          | 0.874            |
|          | Sprayer Pull Type, 50'     |                    | 0.26           | 0.09           | 0.04  | 0.38           | 0.38          | 0.385            |
|          | Roundup RT 3L              | 0.8 Pints          |                |                |       | 3.93           | 3.93          | 3.930            |
|          | 2,4-D 5.7E                 | 0.5 Pints          |                |                |       | 1.29           | 1.29          | 1.290            |
|          | Ammonium Sulfate           | 1.0 Pounds         |                |                |       | 0.20           | 0.20          | 0.200            |
|          | TOTAL Machinery Cost ..... |                    |                |                |       | 5.04           | 5.04          | 5.036            |
|          | TOTAL Input Cost .....     |                    |                |                |       | 21.63          | 21.63         | 21.630           |
|          | TOTAL Budget Cost .....    |                    |                |                |       | 26.67          | 26.67         | 26.666           |

# Material Usage Report

| Material            | Units   | Quantity | Total Costs | Cost Per Acre | Cost Per Unit |
|---------------------|---------|----------|-------------|---------------|---------------|
| Materials Used      |         |          |             |               |               |
| Roundup RT 3L       | Pints   | 3.00     | 15.72       | 15.72         | 15.720        |
| 2,4-D 5.7E          | Pints   | 2.00     | 5.16        | 5.16          | 5.160         |
| Ammonium Sulfate    | Pounds  | 3.75     | 0.75        | 0.75          | 0.750         |
| Material Cost Total |         |          | 21.63       | 21.63         | 21.630        |
| Labor Used          |         |          |             |               |               |
| Machinery Labor     | Hours   | 0.17     | 1.98        | 1.98          | 1.976         |
| Other Labor         | Hours   | 0.02     | 0.14        | 0.14          | 0.141         |
| Labor Cost Total    |         |          | 2.12        | 2.12          | 2.117         |
| Fuels Used, Diesel  | Gallons | 0.41     | 0.34        | 0.34          | 0.338         |
|                     |         |          | Cost        | Cost          |               |

## Net Returns Calculations

| Income or Expense Item   | SubTotal | Total  | Amount Per Acre | Amount Per Unit |
|--------------------------|----------|--------|-----------------|-----------------|
| 1. Gross Revenues        |          |        |                 |                 |
| 1.1 Setaside/Fallow      | 0.00     | 0.00   | 0.00            | 0.000           |
| 1.2 Total Crop Revenue   |          |        |                 |                 |
| 2. Machinery Cost        |          |        |                 |                 |
| 2.1 Ownership Cost       | 1.83     |        | 1.83            | 1.832           |
| 2.2 Operating Cost       | 0.75     |        | 0.75            | 0.749           |
| 2.3 Total Machinery Cost |          | 2.58   | 2.58            | 2.581           |
| 3. Materials Cost        |          |        |                 |                 |
| 3.1 Materials            | 21.63    |        | 21.63           | 21.630          |
| 3.2 Fuel Cost            | 0.34     |        | 0.34            | 0.338           |
| 3.3 Labor Wages          | 2.12     |        | 2.12            | 2.117           |
| 3.4 Total Materials Cost |          | 24.08  | 24.08           | 24.085          |
| 4. Capital Costs         |          | 4.91   | 4.91            | 4.910           |
| 5. Drying Costs          |          | 0.00   | 0.00            | 0.000           |
| 6. Land Charges          |          | 34.80  | 34.80           | 34.800          |
| 7. Management Fees       |          | 0.00   | 0.00            | 0.000           |
| Gross Revenues           |          | 0.00   | 0.00            | 0.00            |
| Total Costs              |          | 66.38  | 66.38           | 66.38           |
| Net Profit or Loss       |          | -66.38 | -66.38          | -66.38          |